HEADQUARTERS AMERICAN E. F. UNIVERSITY

BULLETIN 91

PART I

The Catalogue

BEAUNE, COTE D'OR, FRANCE

MAY 16, 1919

Published by order of COLONEL REEVES, President:

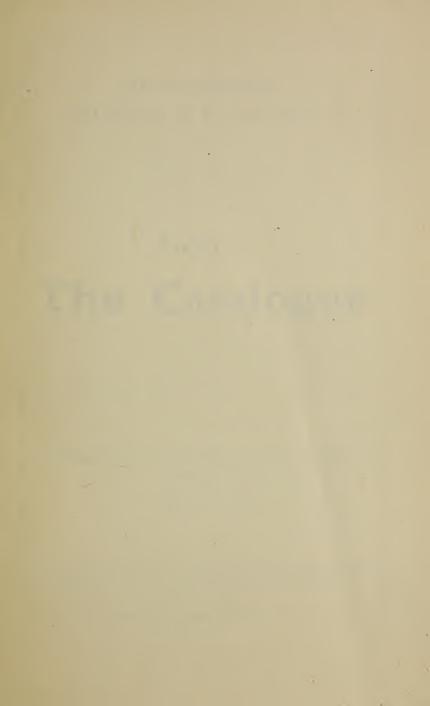
LIVINGSTON WATROUS,

Major, Infantry,

Executive Officer

Copies of this bulletin may be obtained by addressing The Adjutant,
American E. F. University, BEAUNE, Cote d'Or, France.







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Published by order of COLONEL REEVES, President: LIVINGSTON WATROUS, Major, Infantry, Executive Officer

Copies of this bulletin may be obtained by addressing The Adjutant, American E. F. University, BEAUNE, Cote d'Or, France.

The American E. F. University is organized and operated under the control of the Fifth Section of the General Staff, General Headquarters, which section controls all educational work in the American Expeditionary Force. The officers are:

Brigadier general HAROLD B. FISKE, General Staff, Assistant Chief of Staff G-5

Brigadier General ROBERT I. REES, General Staff, In Charge Educational Sub-Section-G-5.

STATEMENT BY REGISTRAR

Part I of this publication will be followed by Part II, the Register of Students, and by Part III, Illustrated Supplement. This publication contains (4) the Constitution and the Organization of the University, (2) the entire faculties of the colleges located at Beaune, and of the Bellevue and Le Mans sections of the College of Fine Arts; the faculty of the Farm School at Allerey, and the faculty of the Division and Post Schools at Beaune; (3) the schedule and the description of the courses in all the above schools and colleges. This does not include other activities under the Army Educational Commission, enrollment and instruction of students at French and English Universities, and the enrollment and instruction the many Division Schools and Post Schools among the American Expeditionary Forces. A report of that work is given in a different publication.

This Catalogue aims to be a record of facts, and as a record aims to be accurate and complete as to faculties, organization and courses given. Credits were given in all courses here described. The description of the courses aims to be a very brief but satisfactory indication of the character and extent of the work done. Preceding the description of courses for each college is a brief statement of the equipment of the college for the work announced. The statements of the various colleges will be found interesting as well as instructive. There were 6,198 students registered; there were at mid-term 224 courses, 397 classes and 13,108 registrations in the University classes at Beaune concerned with work of college grade looking towards college credit.

INTRODUCTION

The American E. F. University at Beaune was established for the benefit of those students in the American Forces who could not be sent to the French and British Universities and who yet qualified for college or university work.

The general plan of the University was formed in January, 1919, by Brigadier General Robert I. Rees, G-5, G.H.Q., and the Army Educational Commission.

On February 5, Colonel Ira L. Reeves, then commanding the 137th Infantry at Sampigny, was ordered to report to Headquarters where he was directed to inspect Allerey as a possible site for the University. Colonel Reeves reached Allerey February 7, 1919, and found that hospital center suitable for an agricultural school but not for the larger university. On the same day he visited the American Hospital at Beaune and reported favorably on that site. On February 8, 1919, Beaune was definitely selected as the site of the University. On February 11 the Army Educational Commission arrived at Beaune and with Colonel Reeves began organizing faculty and courses and planning for equipment. On February 12 Colonel Reeves received paragraph 110 of Special Order No 44 G.H.Q., detailing him as Superintendent and Commanding Officer of the American E. F. University, « now being established at Beaune. » These orders were later amended so as to make « Superintendent » read « President ». On February 13 General Orders No. 30 G.H.Q., 1919, were issued, of which paragraph 4 gave authority for the establishment of the American E. F. University. Since these orders indicate

the place of the University in the entire educational program of the Army, they are here quoted in full:

G. H. Q.

AMERICAN EXPEDITIONARY FORCES

GENERAL ORDERS FRANCE, February 13, 1919. No. 30.

EDUCATIONAL WORK IN THE A. E. F.

- I. The Commander in Chief invites the attention of organization commanders and of all officers in the American Expeditionary Forces to the importance of national education. This citizen army must return to the United States prepared to take an active and intelligent part in the future progress of our country. Educational and occupational training should therefore be provided to meet the needs of the members of the A. E. F. in order that they may become better equipped for their future responsibilities.
- 1. General Orders No. 9, c. s., these headquarters, has established a system of post schools which provides elementary and secondary instruction for all soldiers in need of such training.
- 2. For more advanced education, there will be established in each army, corps and division and in each section of the S. O. S., centers of training to be known as division educational centers. These centers will provide such vocational training as the material and equipment within the division or section makes possible. The following subjects of vocational training will be found practicable in all divisions and sections: Carpen-

try; telephone repair; telegraphy, wire; telegraphy, wire-less; land surveying; road construction; horse-shoeing; automobile repairing; cobbling; tailoring; barbering; cooking; baking; nursing. Other subjects, as they are found practicable, will be authorized.

These centers will also provide instruction in more advanced subjects of general education than can be given in post schools, either because instructors are few or because the demand for such subjects is slight. Subjects suggested are, for example: Algebra; trigonometry; mechanical drawing; agriculture; salesmanship; economics; American and English literature; advanced French; Italian; Spanish; German; advanced course in history, etc.

In order to determine the demand in each educational center for education, a complete survey of his organization will be made by each commander. On the basis of this survey classes will be organized. Courses will be organized providing a minimum of five hours instruction and supervised study per day, five days in the week, covering a period of three months. Organization of provisional educational companies or detachments, conveniently located and provided with a proper administrative organization, is authorized. Such organizations will be given one hour of military training per day in addition to the educational work. The number of students will be limited by the capacity for giving instruction in each division educational center and will not exceed 45 per cent of the command.

Carefully selected school officers will be detailed in charge of the establishment and operation of division educational centers. School officers and instructors will be excused from all other military duty.

The commanding general, S. O. S., is authorized to modify the requirements of this paragraph to meet conditions within his command, giving, however, to the members of his organization every educational opportunity consistent with military necessity.

- 3. Supplementing and expanding these opportunities within the organizations, officers and soldiers will have the privilege of attending educational institutions of the nations associated with the United States in this war. Arrangements have already been made whereby selected members of the A. E. F. may be ordered to detached service in attendance on French and British universities during the current spring term, which will terminate June 30, 1919. Soldiers will receive commutation of subsistence at the rate of \$2.00 per day. Soldiers on this duty will be reimbursed on War Department Form No. 330 for actual expenses incurred by them for lodging while on such duty not in excess of \$1.00 per day. Receipts for such expenditures will be obtained if practicable, and if not, affidavits to that effect will be furnished by the soldier. Detailed instructions for the selection of students to this end will be issued from these headquarters.
- 4. Since the above university opportunities are of graduate character and are therefore available only to selected men of high educational qualifications, an Λ . E. F. educational center will be established to provide college and technical training beyond that offered at division educational centers. Students will enroll for a term period of three months. Detailed instructions for the assignment of members of the Λ . E. F. to this educational center will be issued from these headquarters.

- 5. Students enrolling in post schools and in division educational centers will return with their respective organizations when ordered to the United States, except that applications for transfer to other division educational centers for the purpose of completing courses will be favorably considered. Students attending the A. E. F. Educational Center will have the option of returning to the United States with their organizations or of remaining to complete the term of three months. Students entering French and British universities must agree to remain for the full term.
- 6. The Army Educational Commission of the Young Men's Christian Association will assist in every possible way in the development of this educational system, and will function as defined in Pars. 8 and 9, G. O. No. 9, c. s., these headquarters.
- 7. The Fifth Section, G. S., G. H. Q., will control all matters pertaining to army education.

BY COMMAND OF GENERAL PERSHING:

JAMES W. Mc ANDREW, Chief of Staff.

OFFICIAL:

ROBERT C. DAVIS,

Adjutant General.

The hospital buildings already erected were sufficient to accommodate some eight thousand students and faculty. It was decided to set up the class-rooms and the administration buildings in several units of the hospital which had already been planned but which were not yet completed. Authority to begin actual construction work was received by Colonel Reeves on February 22. In the following three or four weeks about two hundred buildings were completed or altered and about one hundred seventy-five additional erected. The larger buildings of the University number in all more than six hundred.

At an informal meeting of the University Council on February 22 the educational organization of the University was adopted, as announced in a University Order on the next day:

HEADQUARTERS

AMERICAN E.F. UNIVERSITY

л.р.о. 909

General Order No 6. 23 February, 1919.

1. The following plan of administration of the educational organization of the University has been approved, and is published for the information and guidance of all concerned.

EDUCATIONAL ORGANIZATION OF THE UNIVERSITY

- 1. The University will be administered by military authority through the superintendent of the University, with the advice of the Army Educational Commission and its experts on educational matters as defined in G.O.Nos. 9 and 30, c.s., G.H.Q., A.E.F.
 - 2. The Superintendent of the University will issue the

necessary orders governing the nature and the schedule of courses, and the personnel of directors and teachers. He will act as chairman of the faculties and the military staff whenever they meet in joint session. He will be ex-officio member of the University Council and of all faculties and committees.

- 3. The chairman of the Army Educational Commission will be the Educational Director of the University. He will act as chairman of the University Council. He will be ex-officio member of all faculties and committees.
- 4. The Army Educational Commission, in addition to advising the Superintendent of the University as to general educational policies, will recommend to him the appointment of the directors of the colleges and the first heads of departments. The commissioners will be ex-officio members of the University Council.
- 5. The University Council will consist of the Superintendent, the Educational Director and other members of the Army Educational Commission ex-officio, and of the directors of the various colleges, of the Registrar, and of the head of the Saturday course in Citizenship. The Council will recommend to the Superintendent all action governing the nature and schedule of courses and the personnel of the faculties.
- 6. The director of each college will recommend to the Council the nature and schedule of the courses given by his faculty, and will nominate its personnel. He will act as chairman of his faculty and ex-officio member of all its departments and committees.
- 7. The faculty of each college will consist of all its teaching force. At the first meeting of each term, faculties will elect a secretary, an instruction committee, and

a schedule committee to serve for the current term. Each faculty will refer to these committees all educational problems of the college, and will meet to discuss or recommend to the director the report of these committees.

- 8. The secretary of each faculty will keep the minutes of his faculty, and after each meeting will file a copy of the minutes with the record office.
- 9. The instruction committee of each college, consisting of three members of the faculty and the director ex-officio, will be the executive body of the faculty.
- 10. The schedule committee of each college will consist of three members, and the director ex-officio, and will advise the faculty of the school as to the schedule of classes, of laboratory periods and study hours.
- 11. A department will consist of all those teaching the same subject. A department may recommend to any faculty changes in the program of its courses or in its own personnel. The members of a department will nominate to the council one of their number as chairman of the department.
- 42. The University Librarian will have charge of all reference libraries and reading rooms in the University.
- 13. The Registrar of the University will have charge of the registering of the students of the entire school system of the A.E.F.

The First Assistant Registrar will have charge of the registering of students in the A.E.F. University.

The Second Assistant Registrar will have charge of the registering of students in the post and division schools. The Third Assistant Registrar will have charge of the registering of A.E.F. students in the French and British Universities.

BY ORDER OF COLONEL REEVES.

FRANKLIN BABCOCK
Major C. A. C.
Executive Officer.

On February 26 the following message was issued to Commanding Officers describing the University and the method by which students were to be detailed to it:

GENERAL HEADQUARTERS

AMERICAN EXPEDITIONARY FORCES

G—5 RIR

France, February 26, 1919.

TELEGRAM

To : Commanding

Message: Number G-5

The A. E. F. University for officers and soldiers of the A. E. F., contemplated in general educational plan has been established at Beaune, Côte d'Or, and will be ready to receive students as follows: 4st Army March 7th, 2nd and 3rd Armies March 8th and all others March 6th. Officers and soldiers who are High School graduates or who have equivalent preparation will be eligible to enroll. College courses will be offered in general conforming to those of American Universities such as Civil, Electrical, Mechanical and Mining Engineering: Letters, Arts, Normal School subjects, Medicine including Dental and Veterinary, Architec-

ture, Business, Agriculture, etc. Courses not now provided for will be arranged when demand justifies. Certificate of Credit will be given those performing satisfactory work. Students whose organizations are ordered home will be released in time to join before embarking unless they elect to remain, in which case they will later be returned to the United States as casuals. Men of organizations ordered to depart for the United States in March will be given the opportunity of attending the University but these must agree to remain for the course of about three months. Officers and soldiers in enrolling will receive full pay and allowances while attending. There will be no charge for tuition, laboratory fees, text books and supplies. A faculty of competent instructors is being assembled. Class rooms, laboratory and library facilities are being prepared. Accommodations such as quarters, messing, etc. will be good as buildings are in general brick and concrete. The general environment is good and every effort is being made to provide an atmosphere typical of the American College. The total allotment for enrollment Every proper endeavor will be made to secure your full allotment. Wire Superintendent, at Beaune, time of departure and probable date of arrival of contingent from your command, which will be as indicated above. Students will report in full Field Equipment including Arms without ammunition. Selections of students will be made by commanders and no applications forwarded to G.5. Report by wire to G.5 G. H.O. number of officers and men sent to Beaune.

OFFICIAL:

DAVIS.

Adjutant General.

At the first formal meeting of the University Council on March 2 the following minute was adopted:

« The unusual conditions under which the American E. F. University begins its work, the absence of hampering traditions and the presence of unusual problems all suggest an opportunity of organizing here such an educational system as many of us should like to see in the United States — that is, a system so unified from the elementary to the graduate schools that every man can find in college, in post school or in division school classes, the particular instruction that he needs. The entire system will be represented at Beaune, since we shall have here, in addition to the University, a post and a division school. Some fear might possibly be felt, in the absence of our accustomed American machinery for entrance examinations, that the standards of the college and university work may be relaxed. We believe, however, that where an instructor will preserve the proper standard in his course no possible harm can come to the educational standards of the University. We believe also that in the United States, where an instructor does not preserve the standards in his own course, no system of entrance examinations can protect the standards of the college.

The value of a certificate for work done in this University will therefore depend upon the maintenance of proper standards in each individual course.

The work of education in the Army has obviously a teaching rather than an examining function. It is more important that we should help any member of the A.E.F. who desires to improve himself than that we should issue certificates. But in order to give the student the most advantageous instruction we shall not hesitate,

after a fair trial in any part of our educational system, to recommend his transfer to courses more suited to his needs. »

The Faculty of the University was recruited from professional teachers in the Army and directly from civil life in the United States, through the Y.M.C.A. On April 16, 1919 General Order No. 62 created these civilian teachers engaged in the educational work into an Army Educational Corps as a temporary service with the A.E.F.

The French instruction is under the direction of two experienced French teachers lent to the University through the courtesy of the French Minister of Instruction. Other French teachers were further supplied by the courtesy of the French Minister of War.

Classes began at various times as the students and teachers arrived. The regular class work began with the Course in Citizenship on March 15, 1919.

NOTES FROM THE UNIVERSITY COUNCIL

The following notes taken from the minutes of the University Council cover all important regulations connected with registration and credentials.

BY-LAWS

- 4. Each term of the University calendar shall cover a period of three months beginning March 45, 1949. The last week of each term shall be reserved for examinations.
- 2. All courses, with the exception noted in Paragraph 5, shall be in session on Monday, Tuesday, Wednesday, Thursday and Friday. (By action of the University Council on recommendation from the Committee on Instruction, a few courses were later admitted to the University to meet twice a week or three times a week. Such courses are carefully indicated in the catalogue statements.)
- 3. The recitation and lecture periods shall be fifty minutes. The schedule shall provide four such morning periods, beginning 8:20, 9:20, 40:20, 11:20, and three such afternoon periods, beginning at 1:20, 2:20 and 3:20.
- 4. Each student shall carry as a minimum three lecture or recitation periods daily during these five days of the week, and four and one half hours daily in study periods. In laboratory, art and music courses, laboratory, atelier and practice work shall be equated with the study periods and the lecture periods.

- 5. Saturday afternoons shall be free. In the four lecture periods of the Saturday mornings of each term there shall be a course of citizenship, general information and international relations, which will be compulsory for all students of the University.
- (N. B. This Saturday morning course in Citizenship was later changed to meet on Tuesday evenings.)
- 6. The Faculty and Military Staff of the University shall meet in joint session monthly or more often, at the call of the Superintendent.
- 7. The University Council shall meet weekly or more often, at the call of the Educational Director.
- 8. Each faculty shall meet monthly or more often at the call of the Director.
- 9. The committees and departments shall meet when they find it necessary.
- 10. The order of business for the University Council and for each faculty shall be:
 - (a) Roll Call
 - (b) Reading of the Minutes of the Previous Meeting
 - (c) Reports from Chairman
 - (d) Unfinished Business
 - (e) Reports of Committees

Instruction Committee Schedule Committee Special Committees

- (f) New Business
- (g) Adjournment
- N. B. In addition to the above committees, each college has a committee on registration and a credentials committee.

ACTIONS OF COUNCIL

- 4. On recommendation from the Army Educational Commission, the Council ordered the division of the College of Letters and Sciences into the College of Letters and the College of Science for local administrative reasons.

 (March 2, 1919)
- 2. Fifteen hours shall be the normal amount of work per week for each undergraduate student; but students who in the judgment of the registration committee are clearly qualified to do so may be allowed to register for twenty hours.

 (March 8, 1919)
- 3. Students carrying more than fifteen hours who fail to maintain a satisfactory standard shall be required to drop the extra course at the middle of the term.

(March 8, 1919)

- 4. Requirements for entrance to the University shall be the successful completion of a four-years' high school course in the United States, or its equivalent, and if the equivalent be offered the matter shall be passed upon by the Credentials Committee. (March 8, 1919)
- 5. Special students entering the University shall be required to satisfy the entrance requirements.

(March 8, 1919)

6. Mid-term reports shall be required in all work, the form of report to indicate « the student has satisfied the instructor », or « the student his not satisfied the instructor ». (March 8, 1919)

7. As a slight modification of the above action with reference to entrance requirements, it was decided « that the Medical College and other graduate colleges shall follow the same requirements as to standards and number of hours of work as similar university schools in the United States ».

(March 8, 4919)

N. B. — Recitations began Monday morning, March 17 and concluded on May 31, a period of eleven weeks, exclusive of registration week and examination week.

HEADQUARTERS

AMERICAN E. F. UNIVERSITY

A. P. O. 909

25 February, 1919.

General Order No. 8.

1. The following schedule of calls for military and educational duties is prescribed and will become effective on the date of the opening of the University:

DAILY EXCEPT SATURDAY AND SUNDAY

First Call	6:00 A. M.	
Reveille	6:15	
Mess (Breakfast)	6:30	
Sick Call	7:15	
Drill Call	7:45	
Fatigue Call	7:45	
Assembly	7:20	
Recall from Drill	8:00	
School Call	8:10	
Beginning of School Period		
Calls	8:20, 9:20, 40:20, 44:20	
End of School Period Calls	9:40, 40:40, 44:40, 42:40	
Mess (Dinner)	12:15	
School Call	1:10	
Beginning of School Period		
Calls	4:20, 2:20, 3:20	
End of School Period Calls	2:10, 3:10, 4:40	
First Call for Parade	4:30	
Assembly	4:35	

Adjutant's Call	4:45
Mess (Supper)	5:45
Ct. J. II (Call to O.	

Study Hour (Call to Quarters)

6:00 (Call for study Hour will not be sounded on Friday and Saturday nights)

Recall from Study Hour 9:45 Tattoo 9:45 Taps (Check Roll) 40:00

SCHEDULE FOR SATURDAY

6:00 A. M.		
6:45		
6:30		
7:15		
8:00		
8:05		
9:00		
9:40		
Beginning of School Period		
9:20, 40:20, 41:20		
s 10:10, 11:10, 12:10		
12:15		
5:45		
10:00		
10:45		
44:00		

Schedule for Sunday

First Call	7:45
Reveille	7:30

Mess (Breakfast)	7:45
Sick Call	8:45
Church Call	9:00
Assembly	9:40
Mess (Dinner)	12:00
Mess (Supper)	5:30

Study hour, tattoo and taps same as other days of the week, except Friday and Saturday.

II. School periods will be designated as follows:

First Period	8:20 — 9:10
Second Period	9:20 - 40:40
Third Period	10:20 - 11:10
Fourth Period	11:20 - 12:20
Fifth Period	4:20 - 2:10
Sixth Period	2:20 - 3:10
Seventh Period	3:20 - 4:10

III. Military training will begin at 7:20 and close at 8:00. During this period there will be intensive instruction in close order drill and military athletics in accordance with schedules to be provided. One Regiment will parade each afternoon, except Saturday and Sunday, on the general parade ground. These parades will be held by Regiments, consecutive order. The Adjutant of the Military Director will keep the roster of Regiments to parade accordingly.

IV. Officers, civilian employees and enlisted men engaged in administrative work will observe the following office hours:

The above prescribed hours are the minimum only. Such additional time will be devoted to the performance of administrative duties as may be necessary for the prompt and efficient transaction of official business.

By Order of Colonel Reeves:

OFFICIAL

F. BABCOCK
Major C. A. C., Exegutive Officer.

MILITARY ORGANIZATION

Commanding Officer Colonel Reeves

Executive Officer Major Watrous

Adjutant Capt. Hair

Asst. Adjutants Lt. Black

> Lt. Williams Lt. Lakin Lt. Miller

Intelligence Officer

Lt. Mellinger

Personnel Adjutant Capt. White Asst. Per. Adjt. Lt. Copeland

C. O. Service Bn. Capt. Howe

Chaplains Senior Chaplain O'Brien

Area 7. Chaplain Booth Area 8. Chaplain Franklin Area 9. Chaplain Lehew Chaplain Little Area 10. Chaplain Hoy Area 11. Allerey Chaplain Kelly Allerey Chaplain Foss Chaplain Tucker Engineers Chaplain Filler Hospital

Acting Chaplain Rabbi Enclow

Military Director

Major Hurley C. O. Prov. Regt. 1 Major Cresswell

C. O. Prov. Regt. 8 Capt. MacCready

C. O. Prov. Regt. 9 Capt. Litsey

C. O. Prov. Regt. 10 Major Merrill C. O. Prov. Regt. 11 Capt. Wright C. O. Prov. Regt. 12 Capt. Baker Capt. Adams, Allerey C. O. Prov. Regt. 20 C. O. Prov. Regt. 21 Capt. Lange, Allerey C. O. Prov. Regt. 22 Major Guthrie, Allerey C. O. 1st Bn. 323rd Inf. Major Patterson, Allerey Athletic Officer Major Howard Capt. Carroll Entertainment Officer Supervisor of Messes Lt. Gilbert C. O. Troop A, 15th Cav. Capt. Gosnell

Quartermaster

Disbursing Officer
Subsistence Officer
Engineer Supply Officer
Signal Supply Officer
Laundry Officer
Bakery Officer

Supt. Bldgs. and Grounds Fire Marshal Asst. Supt. Bldgs. and Grounds

Billeting Officer:

At Camp At Beaune

University Surgeon
Camp Hospital 107
Camp Hospital 108
Sanitary Inspector
Det. Med. Personnel
Camp Surgeon

Major Bush
Major Barnum
Lt. Woodburn
Lt. Van Hapert
Lt. Dickey
Lt. Pearl

Major Conwell Lt. Burns

Lt. Harrington

Lt. Cabot

Lt. Lowenstein Major Babcock

Colonel Ford

Lt. Col. Leet Major Grayson, Allerey Major Wilson Major Hall

Lt. Col. Smart, Allerey

Inspector Colonel Dallam
Judge Advocate Capt. Matthews
Asst. Provost Marshal Lt. Benjamin
Motor Transport Officer Capt. Bonner

Motor Transport Officer Capt. Bonner Railroad Transportation Officer Lt. Theroux

THE ARMY EDUCATIONAL COMMISSION

Dr. Erskine Chairman

Dr. Spaulding Dr. Butterfield

THE UNIVERSITY COUNCIL

Educational Director — Dr. Erskine Chairman

The President: Col. Reeves, ex officio

The Registrar: Dr. Cooper The Librarian: Mr. Dickerson

College of Agriculture: Dr. Hayward, Director

College of Arts: Mr. Hellman. College of Business: Mr. Lough Cadet College: Mr. Warren

College of Correspondence: Mr. Hill College of Education: Mr. Gwinn. College of Engineering: Dr. Reber. College of Journalism: Mr. Fogg. College of Law: Captain Seavey College of Letters: Major Parker.

College of Medical Sciences: Col. Ford.

College of Music: Dr. Robinson. College of Science: Lt. Col. Snow.

Secretary: Miss McCullagh.

COMMITTEES

Catalogue Committee

Dr. Butterfield Chairman

Dr. Cooper

Mr. Hill

Miss Dougine Secretary

INSTRUCTION COMMITTEE

Mr. Gwinn Chairman

Dr. Cooper

Dr. Reber

Miss Dougine Secretary

CREDENTIALS COMMITTEE

Dr. Cooper Chairman

Mr. H. A. Foster Dr. Hayward Mr. Homer Mr. Jones Mr. Penney Dr. Robinson
Capt. Rupert
Lt. Col. Schmitter
Capt. Seavey
Lt. Col. Snow

Mr. Vaughn Secretary

OFFICE OF EDUCATIONAL DIRECTOR

ADMINISTRATIVE STAFF

Dr. Erskine Director Capt. Gaunt

Lt. Stretcher

2nd Assistant Director

SECRETARIES

Assistant Director

Miss McCullagh

Mlle. Monteanu

Miss Peirce

OFFICE OF THE REGISTRAR

ADMINISTRATIVE STAFF

Dr. Cooper Registrar Capt. Pruner

Lt. Hughes

Supply Officer

ASSISTANTS TO THE REGISTRAR

Assistant Director

Miss Dougine, Miss Engle, Lt. Johnson, Lt. Martin, Miss Mitchell, Miss Todd, Miss True, Mr. Turner, Miss Vann, Mr. Warren.

CLERKS

Sgt. Adams, Pvt. Chancey, Pvt. Halverson, Mech. Kline, Cpl. Nichols, Sgt. O'Brien, Pvt. Ricker, Pvt. Shipe, Pvt. Sutton.

THE LIBRARY

ADMINISTRATIVE STAFF

Mr. Dickerson
University
Librarian

Capt. Coen Inf. F.A. Assistant Librarian

Lt. Moses
Supply
Officer

ASSISTANTS

Miss Long (A. L. A.) Assistant Librarian
Miss Fullerton, (A. L. A.) Cataloguer
Lt. Feek, Superintendent of Circulation
Mr. Goodrich, (A. L. A.), Reference Librarian.
Mr. Gjilness, (A. L. A.), Asst. Reference Librarian.
Sgt. Dice, Superintendent of Reserves.
Lt. MacNeal, Librarian, Allerey.
Sgt. Sloan, Assistant Librarian, Allerey.

LIBRARY ASSISTANTS

Pvt. Baker

Pvt. Borgen

Pvt. Daley

Cpl. Epstein

Pvt. Garner

Miss Guerte (A. L. A.)

Pvt. Lawson

Pvt. Shaner

Pvt. Smith

Cpl. Stewart

Pvt. Terchman

Miss Vauthier (A. L. A.)

Pvt. Zchechale

The University Library consists of 30,000 volumes provided by the American Library Association Library War-Service. All books are classified by the standard Dewey Decimal Classification and included in an author and subject card index.

These books are similar in all respects to those found in the average American College or University Library, with the exception that they are of the latest revisions and entirely new. In fact, special purchases from the French and English book markets have placed in the Beaune Library many volumes not ordinarily found in American libraries. The basis of the collection consists of books on the « A.L.A. Educational List. » which was supplied for work with the Army Education Commission. The range in subject matter is wide, extending from Technology to Fine Arts, with a solid foundation of the best reference books. What is known as « General Literature » is well represented and very popular.

The Library is housed in three large buildings which are so connected and arranged that administration is centralized. In the main central building are administrative offices, an instructors, study, the reference and circulation desks, and the main reading room. The two wings constitute special reference, or reserve rooms, for the several colleges with approximately five thousand books reserved for required or supplementary reading. Thus accommodations are provided for seating nearly fifteen hundred readers at one time and students of any class may study at tables adjoining shelves on which are placed books specially set aside.

The Administration of the Library is intended to meet the unusually heavy requirements of the A. E. F. University. Both the arrangement of rooms and the organization of the staff are such that there is at logical division of service and certain contact between different parts of the organization. The Staff consists of twenty-four librarians and assistants, six of whom are trained and experienced.

There are no charges or fines at the University Library; books are loaned to all members of this command regardless of whether they are connected with the University or are otherwise assigned.

SATURDAY MORNING COURSE

ADMINISTRATIVE STAFF

Lt. Col. Snow Capt. Borders and Lt. Peck Lt. Young
Director Assistant Directors Supply Officer

ASSISTANTS

Sgt. Altman Sgt. Irvine
Pvt. Davis Lt. Martin
Pvt. Garwood Mr. Murphy
Mr. Hormell Lt. Platt

All students in the University are required to take this course, which comprises an address, followed by an hour of discussion and an hour of lantern slide and motion picture demonstration, on each of the topics listed below. The address as prepared by the speaker of the morning is presented earlier in the week to the instructors drawn from the faculty at large to deliver the paper the first hour Saturday morning, and to conduct the discussions during the second hour in sections of two hundred students each. The third hour is devoted to assemblies of twenty-five hundred students each for a motion picture visualization of important phases of the problem under discussion. The program is concluded by remarks of the speaker, after which a printed copy of the full address is handed to each student to be filed with other pamphlets and data furnished during the course. In addition to the following principal addresses of the course, special papers will be published for distribution:

1. The University and its Ideals

2. The Elements of Citizenship

3. Vocations, Their Possibilities and Their Limitiations

4. Social Customs

5. The World's Food Supply

6. City Planning and Community Housing

7. Industrial Problems

8. Public Safety and Welfare

9. Public Education 40. Public Health

11. Art and the Citizen

12. Religion and the Citizen

43. Governments and Their Foreign Relations

14. The Heritage of the Future Generation

15. The Principles of Citizenship Applied Dr. John Erskine

Dr. H. H. Murphy Dr. K. L. Butterfie

Dr. K. L. Butterfield

Mr. R. B. Fosdick

Mr. Herbert Hoover Mr. Grosvenor Atterbury

Lt. Col. J. P. Jackson Mr. J. A. Kingsbury

Mr. J. A. Kingsbury Dr. E. F. Spaulding

Col. J. H. Ford Mr. G. S. Hellman

Bishop Brent Dr. Wm. J. Newlin

Mr. Babcock

Lt. Col. W. F. Snow

The addresses starred are to be given by speakers not connected with the University or the Commission and will therefore supplement the regular Saturday morning schedule, being given at the convenience of the speakers.

EXCHANGE LECTURE COURSES

In order to promote the general dissemination or useful knowledge concerning a wide range of subjects bearing upon progress in citizenship, combination courses have been arranged for which instructors are to be furnished by the respective departments through a system of exchange. The sections organized are to be accredited by the College in which the major portion of the student's university course is taken, and to which the subject is related.

The departments co-operating through the exchange of lecturers for these combination courses are indicated below, together with the series of fifteen-lecture subjects offered for combination.

The four series comprising the lecture course offered by the Department of Public Health and Hygiene will be scheduled for purposes of certification as PuH 4 A in the College of Science. Similarly the four series comprising the lecture course offered by the Department of Political Science will be recognized as PS8A in the College of Letters. Other lecture series provided for in this table will not be given such recognition unless a sufficient number of students can be grouped in sections to warrant the special assignment of instructors for the entire series.

POPULAR LECTURES

Tuesday evenings have been set aside for popular educational lectures upon topics in science, art, music, engineering, and current history. These lectures will be announced from week to week and are open to all students and others interested. Arrangements have been made to bring to the University for demonstration various exhibits on public health, housing, mental hygiene, industrial relations and government, which have been sent from the United States for use by the Army Educational Commission's Department of Citizenship.

DEPARTMENTS	1st series	2nd series	3rd series	4TH SERIES
Public Health and Hygiene.		Rural Sanita-	School Hygiene.	Industrial Hygiene.
Zoology and Botany.	Bacteria in Daily Life.	History of Animal Life.	Zoology and the World's Thought.	Everyday Botany.
Geology and Agriculture.	Earth and Man,	Weather and Weather Forecasting.	Rural Sociology	Agricul t ure and its Opportunities
English and History.	The Life and History of An- cient Peoples.	its Ideals in	Contemporary Literature.	Current History.
Economics, Law and Bus- iness.	Industrial Problems.	Foreign Trade Problems.	Business Law	Banking Practice.
Political Science.	Rural Govern- ment Problems.	City Government Problems.	National Government Problems.	International Problems.

COLLEGE OF AGRICULTURE

Administrative Staff

Dr. Hayward Capt. Wentworth Lt. Wendt Director Assistant Director Supply Officer

> Capt. Haight Construction Officer

HEADS OF DEPARTMENTS

Lt. de Werff, Agronomy Capt. Wentworth, Animal Husbandry Capt. Schmidt, Horticulture and Forestry Mr. Mills, Rural Economy and Sociology

Instructors

General Agriculture. — Lt. Miner, Lt. Williford.

Agronomy. — Mr. Call, Lt. Deaver, Sgt. Fowle, Lt. Kirkendall, Dr. McCall, Lt. Morris, Cpl. Sollman, Lt. Stangel, Lt. Stauffer, Lt. Wolff.

Animal Husbandry. — Capt. Crockett, Lt. Ham, Capt. Jerdan, Lt. Massee, Lt. Perry, Cpl. Stone, Sgt. Stowell, Lt. Strong, Capt. Underwood.

Horticulture and Forestry. — Lt. Firor, Dr. Fletcher, Lt. Georgeson, Capt. Goodyear, Lt. Hall, Cpl. Hartman, Lt. Holmes, Lt. Marvin, Sgt. Peterson, Lt. Richardson.

Rural Economics and Sociology. — Miss Baker, Pvt. Basherov, Dr. Butterfield, Dr. Cance, Dr. Coulter, Mr.

Douglass, Lt. Forsyth, Sgt. LaFrance, Lt. Miles, Mr. Otis, Capt. Peltier, Lt. Prindeville, Lt. Spaulding.

Assistants

Mr. Barnes, Mr. Beckman, Lt. Charles, Lt. Darling, Pvt. Davis, Lt. Headle, Miss Holmes, Pvt. Loyka, Sgt. Maddex, Mr. Powell, Cpl. Weed.

CLERICAL ASSISTANTS

Mr. Bacon, Cpl. Davidson, Mlle Maillet, Miss Reese, Sgt. Rowe, Pvt. Smith, Miss Stoner.

Instruction in the College of Agriculture is grouped in four departments for administrative convenience: Agronomy, Animal Husbandry, Horticulture and Forestry, and Rural-Economy and Sociology. These departments deal with the following subjects: soil classification, fertility and management, forage, fiber, and cereal crops, farm machinery and farm construction; livestock, types and classes, feeding, management and breeding; dairy farming, dairy cattle and products, poultry types, egg production and poultry farming; orcharding and small fruits, vegetable gardening, plant propagation, floriculture, and forestry; farm management, marketing and co-operation, farm credit, rural organization, rural education, rural institutions, and rural sociology.

In general, three classes of courses are offered by each department for each general subject. The first course is of an elementary character, and has no prerequisite; the second is somewhat more advanced, and presupposes some work of college grade, either in gener-

al science or in the particular subject concerned; the third is still more advanced and is for men who have had two or more years of college work.

One course in *General Agriculture* is offered for students who have had only limited farm experience, and for students in other colleges of the University who may desire to obtain a general view of modern agriculture.

For the special benefit of agricultural students, courses are offered in other colleges of the University as follows, each course to count as an elective in Agriculture: — College of Engineering, CE 44A, Engineering for Agricultural Students; College of Journalism, J 3B, Agricultural Journalism; College of Science, B 2A, Agricultural Botany, B 3B, Plant Pathology; Z 5B, Genetics, Z 7A, Agricultural Entomology.

In general, the courses selected for instruction in this College are of a type that do not require laboratory equipment, but certain of the courses in dairying, horticulture, and soils are provided with laboratory facilities. The location of Beaune is very favorable for field trips for the study of soils, dairying, viticulture, vegetable gardening, and forestry, and classes in these subjects take field trips at least once a week as part of their courses. Text books are available for the majority of the courses offered in the College, and notes and lectures are prepared by competent teachers in subjects where the text books are lacking.

Admission to the College of Agriculture is on the same basis as admission to the other Colleges. One of the courses in which each student is registered must be in some subject other than agriculture.

GENERAL AGRICULTURE

Agr 1A. General Agriculture. — A presentation of the various phases of the agricultural industry in successive groups of lectures by the different departments of the College of Agriculture. The course is of special value to students in other colleges who wish a comprehensive survey of the field of agricultural industry. 8.20, 10.20, 3.20. Bldg. 513. Lt. Williford.

AGRONOMY

- Ag 1A. Soils. Soil formation, fundamental principles of soil classification, physical and chemical properties and their relation to soil management. 9.20, 1.20. Bldg. 518. Lt. De Werf, Cpl. Sollman.
- Ag 2B. Soil Fertility. The relation of soil to plant growth; plant food materials, including their loss, conservation and renewal. The use of manures and fertilizers for the maintenance of permanent fertility. 9.20, 44.20. Bldgs. 548, 519. Lt. Kirkendall, Lt. Stauffer.
- Ag 3B. Forage and Fiber Crops. A study of grasses, alfalfa, clover, and forage sorghums, and such fiber crops as cotton, flax and hemp. 8.20, 40.20. Bldg. 519. Lt Morris, Lt. Stangel.
- Ag 4B. Cereal Crops. A study of the important cereal crops, such as corn, wheat, oats, and barley. 40.20, 2.20. Bldg. 519. Lt. Deaver, Lt. Stangel.
- Ag 7A. Farm Machinery. Kinds of machinery for cultivation, harvesting, spraying; motors, gas and steam engines, the most economical and efficient types, and their operation and care. 11.20. Bldg. 517. Sgt. Fowle, Lt. Wolfe.

ANIMAL HUSBANDRY

- All 1A. Principles and Practice of Animal Husbandry.

 Fundamental principles of feeding and breeding, types and classes of livestock, breed characteristics, and practical management of animals. 8.20, 10.20, 1.20. Bldg. 581. Lt. Ham.
- All 2B. Feeding and Nutrition. Composition of animal body, process of digestion and nutrition, composition and classification of feeds, compounding of rations, and interpretation and application of results of feeding experiments. Prerequisite, a knowledge of elementary chemistry. 9.20, 4.20. Bldg. 582. Capt. Jerdan, Sgt. Stowell.

- AH 3C. Animal Breeding. The basic principles of heredity, physiology of reproduction, selection, systems of breeding and application to livestock industry. Prerequisite, a general knowledge of zoology and of breeds and types of livestock. 8.20. Bldg. 582. Lt. Massee, Capt. Wentworth.
- AH 4A. Dairy Husbandry. A general course covering the dairy breeds, the selection, care and feeding of the herd, and the production of milk by the farmer and the commercial dairyman. 9.20, 1.20. Bldg. 582. Capt. Crockett, Sgt. Stowell.
- AH 3B. Dairy Products and Manufactures.— A specialized course on the handling of milk and the manufacture of milk products. Lectures 3 hours and practice work 4 hours. Prerequisite, AH 4A, Animal Husbandry, or its equivalent in college work. 2.20. Bldg. 582. Lt. Perry.
- AH 6C. Dairy Husbandry Seminar. Investigation and discussion of vital questions in the dairy industry, study of community dairy problems, including testing and breeding associations, creamery associations, etc. Lectures 4 hours and laboratory 2 hours for the first half of the term; lecture 3 hours and laboratory 4 hours for the second half of the term. 40.20. Bldg. 582. Capt. Crockett.
- AH 7A. Farm Poultry. The feeding, care, and management of farm poultry: egg production, hatching and rearing of chicks, and poultry diseases. 3.20. Bldg. 581. Cpl. Stone.
- AH 8B. Poultry Farming. Arrangement and equipment of the poultry farm, breeds and types of poultry, production and care of breeding and show stock, incubators and brooders, and marketing poultry products. Prerequisite, AH 7A, Farm Poultry, 1.20, Bldg. 581. Cpl. Stone.
- All 9C. Poultry Seminar. Advanced studies in poultry breeding management, and other phases of the poultry industry. Lectures 3 hours and laboratory 4 hours. Prerequisite, two years of agricultural college work in poultry. 8.20. Bldg. 581. Lt. Strong.
- AH 10C. Animal Hygiene and Diseases of Farm Animals. Animal health, prevention of disease, animal sanitation, common diseases of farm animals. Prerequisite, a general knowledge of zoology or bacteriology and livestock management. 2.20. Bldg. 581. Capt. Underwood.

HORTICULTURE AND FORESTRY

HF 1A. General Horticulture. — Study of the fundamental principles of horticulture, covering plant propagation, home gardening, and fruit growing. 8.20, 9,20. Bldg. 515. Lt. Firor, Lt. Maryin.

- HF 2B. Vegetable Gardening. Study of intensive and extensive market gardening, approximate costs, general management, selection of varieties with reference to markets, general culture, and methods of marketing products. Lectures and laboratory. Prerequisite, HF 1A, General Horticulture, or its equivalent. 8,20, 40.20. Bldg. 546. Lt. RICHARDSON.
- HF 3B. Oreharding and Small Fruits. Productive orcharding, selection of site, planting and care of young orchard; varieties, cultivation, pruning, sprays and spraying, methods of storing and marketing fruit, small fruits, culture, selection of varieties, and marketing. Prerequisite, HF 4A, General Horticulture, or its equivalent. 9.20, 40.20. Bldg. 546. Lt. Georgeson, Lt. Holmes.
- HF 4C. Floriculture. Management of greenhouse, study of greenhouse plants, methods of propagation, flowers for market and methods of marketing. Prerequisite, a course in general horticulture and a general knowledge of greenhouse work, 4.20. Bldg. 545. Sgt. Peterson, Capt. Schmidt.
- HF 3A. Elementary Forestry. The significance of the forest, the forest and its relation to the soil, study of growth of trees and factors affecting tree growth, the tree and its life history, discussion of opportunities in the profession of forestry. Lectures and laboratory, 9.20, 2.20. Bldg. 546. Capt. Goodyear.
- HF 6B Dendrology. Study of botanical characteristics of native and exotic trees, and species and their means of identification. Prerequisite HF 5A, Elementary Forestry, or its equivalent. Monday, Tuesday, Thursday and Friday 8.20, Laboratory Wednesday 2:20-4:10. Bldg. 516. Lt. Hall.
- HF 7C. Lumbering and Forest Utilization. Discussion of lumbering methods in use in different forest regions of the United States, and chief uses of common woods and their byproducts. Field trips to the important European forest regions are arranged during the last three weeks of the course. Prerequisite, two years' work in forestry in a forestry college or in the forestry department of an agricultural college, or its equivalent. 1 20. Bldg. 516. Capt. Goodyear.

RURAL ECONOMY AND SOCIOLOGY

RES 1A. Business Side of Farming. — Elementary principles of the business management of the farm, opportunities in farming, qualities of a good farmer, farm records and accounts, farm equipment, farm plans, and factors that affect farm profits. 9.20, 10,20, 3,20. Bldgs. 513, 580. Lt. Forsyth, Lt. Spaulding.

- RES 2B. Farm Management. Principles underlying the successful management of farms, size of farms, types of farming, diversified versus specialized farming, intensive versus extensive farming, farm investments, management of farm labor, farm receipts and expenses, and cost accounts. Prerequisite, RES 1A, Business Side of Farming, or its equivalent. 8.20, 10.20. Bldgs. 513, 580. Pvt. Basherov, Sgt. LaFrance.
- RES 3C. Seminar in Farm Management. Land tenure, economics of feeding, cost accounting, and farm management in relation to permanent agriculture. 9.20. Bldg. 580. Mr. Mills.
- RES 4A. Marketing and Co-operation. A study of the problem of marketing farm products with special emphasis upon co-operation, and elementary principles of co-operative organization, including purchasing and marketing associations. 10.20, 2.20. Bldg. 580. Capt. Peltier.
- RES 3B. Farm Credits and Insurance. Farm capital, federal farm loan system, other means of securing long time loans, and forms of insurance and protection to farms. Prerequisite, one year of agricultural college work or its equivalent. 4.20. Bldg. 580. Lt. Prindeville.
- RES 6C. Seminar in Co-operation, Markets and Farm Credits. Work to be arranged by instructor in charge. 1.20. Bldg. 580. Mr. Mills.
- RES 7A. Rural Organization. Organization and methods of extension teaching and other forms of agricultural education, the broader aspects of local, state, national and world organization of agriculture and country life, studies in comparative agriculture. Designed for students who look forward to connection with educational and co-operative enterprises or farmers' organizations, 4.20. Bldg. 513. Dr. Butterfield.
- RES 8B. Rural and Agricultural Education and Rural Institutions and Ideals. Place of education in comprehensive program of rural progress; unit of taxation and administration, development of county and state supervision; re-direction of rural school interest; specific vocational studies; rural school equipment; the rural teacher; national aid to vocational education; the home project; boys' and girls' clubs; agricultural colleges and extension work. The church and community religion; the community center and neighborliness, the library and community forum and civic intelligence, farm bureau and vocational progress, ideals permeating all institutions. recreation, and adequate program of rural play, a constructive attitude toward it, fine arts as rural possibilities and rural expression of genius, 4.20, Bldg, 543. Lt. Milks.

RES 9B. Introduction to Rural Sociology. — The rural population, rural environment and resulting rural mind, evolution of economic basis of rural society, acknowledged problems and difficulties of country life, structure of the rural community, the survey method, its principles and technique, and distribution of functions of rural society among approved agencies. 2.20 Bldg, 513. Lt. Miles.

RES 10C. The Modern Country Life Movement.—Review of movement in literature and organization, reading and discussions in the central problems of rural community improvement, and critical study of its currents plans and agencies. Prerequisite, one semester course in rural economics or sociology. 40.20. Bldg. 580. Mr. Mills.

COLLEGE OF FINE AND APPLIED ARTS

The College or Fine and Applied Arts as indicated by the curriculum outlined below offered courses in all branches of art, with instruction by both American and French teachers. Apart from such instruction on the University ground, the students have had the inestimable benefit of travel and study in the beautiful surrounding towns, and further afield through tours in France.

Under the same Director as the College of Fine and Applied Arts, the A.E.F. Art Training Center at Bellevue, Seine et Oise, is also a part of the American E.F. University. This separate branch of the University, with its own military organization, has the great benefit of proximity to Paris, and its courses have included many lectures by distinguished French artists and teachers of art. At both Beaune and Bellevue instructors drawn from the army have been associated with civilian instructors with results best indicated by the enthusiasm displayed and the excellent work produced by these students.

While it is only these two institutions that are, as far as art is concerned, component parts of the University, this would seem to be the place to record that some six hundred members of the A.E.F. have pursued art studies in twenty-one hospitals and convalescent camps under the instructional supervision of qualified women, both in the Young Men's Christian Association and the American Red Cross. This branch of our work was organized by two army officers, associated with the

Department of Fine and Applied Arts of the Army Educational Commission.

About a hundred members of the A.E.F. have pursued their art studies in four of the Paris ateliers of architecture, painting, and sculpture.

These have been the four main fields of work. At Le Mans and at Coblenz small art schools have been established, and one of our main lecturers has given talks on art in numerous places. The applications from army men for art studies has reached a total of over three thousand and of this number about twelve hundred and fifty have pursued courses under our direction.

THE COLLEGE

Administrative Staff

Mr. Hellman	Mr. Homer Mr. Monges	Capt. Burger
Director	Associate Directors	Assistant Di- rector
Major Warren	Lt. Rice	Lt. Peare
Military Director	Supply Officer	Librarian

HEADS OF DEPARTMENTS

Mr. Homer, Architecture
Capt. Burger, Painting
Mr. Taft, Sculpture
Major Cunningham, Industrial and Commercial
Art

Mr. Coxhead, Field Work

Instructors

Architecture. — Mr. Bakewell, Mr. Coxhead, Mr. Hebrard, Sgt. Hutton, Mr. Monges.

Industrial and Commercial Art. — Mr. Cowley, Lt. Harrs, Mr. Turner, Lt. Welsh.

Painting. — Lt. Benolken, Mr. Cotton, Mr. McBurney.

Sculpture. — Mr. Taft, Lt. Tarpley.

Field Work. - Mr. Coxhead, Sgt. Hutton.

ASSISTANTS

Architecture. — Pvt. Andrews, Sgt. Atkinson, Lt. Bangs, Lt. Campbell, Sgt. Collins, Sgt. Ferguson, Pvt. Fox, Sgt. Fruaff, Pvt. Gibbs, Sgt. Hampton, Capt. Howard, Lt. Kempton, Sgt. Ludwig, Lt. McCue, Lt. McFarland, Sgt. Miles, Lt. Moise, Lt. O'Reilly, Lt. Otto, Lt. Peare, Sgt. Peterson, Pvt. Phillips, Sgt. Prince, Lt. Ritter, Lt. Simank, Sgt. Stephen, Pvt. Storti, Pvt. Smalley, Lt. Smith, Major Warren.

Industrial and Commercial Art. — Pvt. Hart, Pvt. Hubbart, Pvt. Rang, Pvt. Tolmans, Pvt. Woods, Pvt. Yeomans.

Painting. - Cpl. Snyder, Cpl. Travis, Lt. Wallace.

CLERICAL ASSISTANTS

Miss Patterson, Miss Rembert.

ARCHITECTURE (ARCH)

Arch 1A Orders	
Mr. Monges 8.20-11.20 T.	505 - A
Arch 2A Cast Drawing	- 40 .
Mr. Cotton 8.20—11.20 M.	746—A
Arch 3A Shades and Shadows	
Mr. Monges 8.20-44.20 W.	505—A
Arch 4A Modeling	
Lt. Tarpley 8.20-44.20 Th.	746—A
Arch 5A Field Work	
Mr. Coxhead 8.20—9.40 Th.	Field
Arch 6A Atelier Work	
Mr. Monges 1.20-3.20 M. T. W. Th.	505—A
8.20—9.45 M.	
Arch 7A History of Architecture	
Mr. Howard 7 P. M. T. W. Th.	243
Arch 8A History of Sculpture	
Mr. Taft 8 P. M. T. W. Th.	543
Mr. Taft 8 P. M. T. W. Th. Arch 9B Modeling Lt. Tarpley 8.20—41.20 T. Arch 40B Life Class	
Lt. Tarpley 8.20—11.20 T.	746 — A
Arch 10B Life Class	
Mr. Cotton 8.20—11.20 W.	746—A
Arch 11B Field Work	
Mr. Coxhead 8.20-9 45 Th.	Field
Arch 12B Water Color	- 1010
Mr. Cotton 8.20—11.20 F.	746—A
Arch 13B Atelier Work	
Mr. Hebrard 8.20—44.20 M. 4.20—3.20 M. T. V	V. 505—B
Arch 14B History of Architecture 10.20—11.20 F.	
Mr. Howard 7. P. M. T. W. Th.	543
Arch 15B History of Sculpture	040
Mr. Taft 8 P. M. T., W. Th.	543
Arch 16C Life Class	040
Mr. Cotton 8.20—11.20 W.	844—B
Arch. 47C Field Work	044-10
	Field
Mr. Coxhead 8.209.45	Field
Arch 18C Sketch Problems	503—A—B
	505—А—Б
Arch 19C Atelier Work	503—B—A
	503—A—B
8 P. M.—9.45 P. M., F.	503—A—B
DAINTIC (DA)	
PAINTIG (PA)	
Pa 4A Cast Drawing	
Cpl. Snyder 8.20—41.20	844—D
Pa 2A Life Class	0441
Cpl. Travis 8,20—11.20	844—D
opi, 11avis 0,20—11.20	044-1)

			COURSES OF STUDY	10		
	Pa	3A Painting Cl	966			
	La	Lt. Benolken	8.20—11.20	844—C		
	Pa	4A General Cri	ticism	011 0		
	,	Capt. Burger	1.20—1.20 M.	844 – E		
	Pa	5A Compositio				
	- "	Cant. Burger	1.20-3.20 T. W.	844—AD		
	Pa	6A Landscape	1120 9120 17 117	011 112		
		Mr. Cotton	1.20—3. 20 Th. F.	Field		
		Sgt. Scott	3.20 M.	Field		
		8				
			SCULPTURE (SC)			
	Sc	1 Antique and	Life Class			
	36	M. Taft	Life Glass			
		Lt. Tarpley	8.20 - 41.20	746 – B		
	Sc	2 Portrait Clas		. 10 15		
	50	Mr. Taft	1.20 - 2.20 M. T. W. Th.	746—B		
	Sc	3 Sketch Class				
		Lt. Tarpley	3.20 M. T. W. Th.	746 – B		
	Sc	4 Composition				
		Mr. Taft	8-9.45	745—B		
		Lt Tarpley				
	Sc	5 Field Work				
		Lt. Tarpley	1.20—3.20 F.	Field		
		INDUSTRIAL	AND COMMERCIAL ART (I	ND COM)		
	Ind	1 Design				
	ma	Major Cunning	ham 8.20—41.20 F.	945—A—B		
	Ind	2 Textiles	11.201.	010 11 17		
			8.20 - 41.20 Th.	945-A-B		
	Ind	3 Furniture				
			8.20 -41.20 Th.	945-A-B		
	Ind	4 Atelier Wor	rk			
		Major Cunning	ham			
		Lt. Streeks	1.20—3.20 M. W. T.	945 – A – B		
	Con	n 1 Sketch Cla				
		Lt. Welsh	44. 20 M. T. Th. F.	944 — A		
	Cor	n 2 Life Class		011		
		Lt. Welsh	1.20—2.20 M.	944—A		
	C		4.20 3.20 T.			
	C01	n 3 Illustration Lt. Welsh	и 4.20—3.20 Т. F.	845 - A -B-C		
	Cor	n 4 Field Wor	1.20—0.20 1. F.	049 - W-D-C		
	COI		8.20—11.20—1.20—3.20	Field		
	Cor	n 5 Atelier W		11010		
		Lt. Welsh	8.20—10.20 M. T. W. Th.	845—C		
	8-9.45					
Com 6 Historic Ornament						
		Lt. Welsh		845—A – B – C		

THE ART TRAINING CENTER

Bellevue, Seine-et-Oise

ADMINISTRATIVE STAFF

Mr. Hellman Mr. Warren
Mr. Borglum Capt. Cauldwell Capt. Howard
Ensign Brown Major Gray Mr. Logan
Capt. Peixotto Mr. Taft

INSTRUCTORS

Architecture. — M. Allaux, Lt. Breed, Ensign Brown, M. Carlus, Major Ford, Major Gray, Capt. C.E. Howard, Capt. J.G. Howard, Lt. Rice, Lt. Robinson, Lt. Scannell, Lt. Small, Mr. Thomas, Mr. Warren.

Interior Decoration. — Cpl. Brown, Capt. Cauldwell, Lt. Small, Mr. Warren.

Painting. — Lt. Dulin, Mr. Lachman, Mr. Logan, Mr. Orr, Capt. Peixotto, Mr. Serraga, Capt. Townsend.

Sculpture. — Mr. Borglum, Sgt. Chambellan, Mr. Taft.

French. — M. Dauphin, M. Delamare, M. Griveau, M. Lascoumes.

COURSE OF STUDY

General Course. — This course is intended for all students and consists of one lecture per week on each of the following subjects: French History, History of Painting, Sculpture, Architecture, Interior Decoration, The Applied Arts of France, The Monuments of Paris, Landscape Gardening. There is a forty minute period of French daily and a study trip to Paris every week.

Architecture. — Elementary, intermediate and advanced courses are given. Design, following problems issued by the Ecole des Beaux-Arts; visits to exhibitions of students' work at the Ecole; field work, pencil and water color sketching; scale drawings of buildings visited; water color rendering. City planning (lectures and problems).

Interior Decoration. — Problems of interior decoration in the French styles; study under instructors in the museums and art libraries; measured drawings of motives in public buildings and museums; nature study; sketching; design in the applied arts.

Painting. — Intermediate and advanced courses are given. Life class, charcoal and color; portrait class, color; landscape; composition; etching; anatomy. Weekly visits to the studios of almost all the notable painters and sculptors of Paris where the students are personally received by them.

Sculpture. — Intermediate and advanced courses are given. Life class; composition; nature study; anatomy.

VISITING FRENCH LECTURERS

Emile Saillens, Agrégé d'Anglais; subject : History of France.

Salomon Reinach, Membre de l'Institut, professor at the Sorbonne; subject: Painting in the Dordogne Caves.

- L.F. Dimier, art critic and author; subject : History of Painting in France.
- L. Hourticq, art critic and author, Inspector of Fine Arts of the City of Paris; subject: The Salons of 1919.
- F.F. Haffner, S.A.D.C.; subject: French Architecture of the Seventeenth and Eighteenth Centuries.

Adolphe Giraldon, professor of design at the Ecole des Arts Décoratifs; subject: Textiles - Book craft.

Marquet de Vasselot, conservator at the Louvre; subject : French Enamels and Goldsmithy.

Fritsch Estrangin, conservator of the Musée des Arts Décoratifs; subject: French Ceramics.

M. Vollweder, decorator; subject: Petit Point and Gros Point in Furniture Coverings.

J.C N. Forestier; subject: French Gardens.

VISITING FRENCH CRITICS

M. Laloux, Membre de l'Institut; M. Cormon, Membre de l'Institut; M. Jacques Blanche; M. Bernard Madin.

COLLEGE OF BUSINESS

ADMINISTRATIVE STAFF

Major Helsley Capt, Fleischner Lt. Regard Director ¹ Assistant Director Supply Officer

HEADS OF DEPARTMENTS

Lt. Geary, Business Organization.

Lt. Adler, Accounting.

Lt. Pattrick, Commercial Law.

Lt. Hess, Sellingand Advertising.

Lt. Abbot, Insurance and Salesmanship.

Lt. Thames, Foreign Trade.

Major Emerson, Financial Practice.

INSTRUCTORS

Business Organization. — Pvt. Anderson, Sgt. Ballard, Lt. Clarke, Lt. Geary, Pvt. Hawes, Sgt. Hobbs, Cpl. Nace, Pvt. Nadler, Lt. Olston, Sgt. Prince, Sgt. Ralston, Capt. Wass.

Accounting. — Sgt. Foley, Lt. Greenwalt, Lt. Jennett, Sgt. Leavell, Lt. Rohrbach, Cpl. Schambs, Cpl. Utley.

Commercial Law. — Lt. Alter, Pvt. Brooks, Mr. Carey, Pvt. Daniels, Cpl. Evans, Cpl. Haynes, Mr. Hooks, Pvt. Hughes, Pvt. Lathan, Lt. Leach, Sgt. McGee, Capt. Stout, Capt. Whitaker.

^{1.} Mr. Lough was Director of the College of Business until April 28, 1919.

Selling and Advertising. — Pvt. Adams, Mr. Barstow, Pvt. Bowers, Pvt. de Bouille, Sgt. Foley, Lt. Friedman, Mr. Giddings, Lt. Hess, Pvt. Larcomb, Sgt. Lightner, Lt. Mc Farland, Pvt. Nelson, Sgt. Ray, Lt. Riordan, Pvt. Rosenfeld, Sgt. Schless.

Insurance Practice and Salesmanship. — Lt. Abbot, Capt. Brown, Sgt. Busch, Capt. Cramer, Lt. Hershey, Mr. Jones, Lt. Rosenfeld.

Foreign Trade. — Pvt. Knapp, Sgt. Schluter, Cpl. Ward, Sgt. Williams.

Financial Practice. — Capt. Flynn.

CLERICAL ASSISTANTS

Mrs. Broderick, Miss Keene.

The College of Business is not a business college. « Business College » is the name that was appropriated some fifty years ago by those institutions that aimed to train stenographers and book-keepers for business concerns. The College of Business aims to take men who have had either a good academic training or considerable business experience, and give them a preparation that will help them to step into executive or semi-executive jobs in business.

The courses offered are of the same nature as those usually given in American schools of commerce of collegiate grade. Men who have had no business experience should take up first the courses in Business Organization and in Commercial Law, which rank as « B »

courses for students in the Colleges of Letters and of Science. The other courses are open only to men who have had either business experience or some preliminary training in advanced business courses.

Each course is planned to occupy a three-month term, five class sessions a week.

COURSES OF STUDY

- Bus 1B. Business Organization. The course reviews the basic principles and the customary practice in organizing business concerns, in producing, selling, financing, accounting, and management. It does not presuppose previous business experience. 8.20, 2.20. Bldg. 567. Lt. Geary.
- Bus 2C. Principles of Accounting. A basic course which is useful not only to prospective bookkeepers and accountants, but to all who are preparing for responsible business duties. It deals with the principles of accounting rather than with the technique of keeping books. Section A for men who have had no training in bookkeeping; section B for men who understand bookkeeping. 8.20, 9.20, 10.20, 3.20. Bldg. 467. Lt. Adler.
- Bus 3B. Commercial Law. A rapid review of the fundamentals of commercial law. The course is not designed to take the place of professional law studies, but is solely for the benefit of men preparing for business careers. 40 20, 41.20. Bldg. 567. Lt. Pattrick.
- Bus 4C. Principles of Selling and Advertising. The psychology of selling, motives that underlie the act of buying, analyzing the article to be sold, determining sales appeals, framing the selling talk, difficulties in personal salesmanship, overcoming objections, increasing the size of an order, leaving the customer in the right attitude, special types and problems of selling, analyzing the market, influencing men through advertising, psychology of advertising, successful types of advertising copy, and formulating sales policies and campaigns. 9.20, 4.20. Bldg. 567. Lt. Hess.
- Bus 3C. Insurance Practice and Salesmanship. The major part of the course is devoted to a careful study of the principles of modern insurance, including a review of types and forms of insurance policies. Following this section of the course the principles of salesmanship will be applied to special problems in the field of insurance. 2.20. Bldg. 467. Lt. Abbot.

Bus 6C. Foreign Trade. — This course is designed to appeal to all intelligent, broad-gauged men who are preparing for posts of leadership in American business during the decade of expansion just ahead. It has even more immediate value for those who will enter foreign trade work either at home or abroad. The topics treated will include economics of foreign commerce, selling methods, financing, shipping, and law applicable to foreign trade. 3.20. Bldg. 567. Lt. Thames.

Bus 7C. Financial Practice. — A seminar course devoted to discussion of current financial problems and practice in such fields as corporation finance, statistical forecasts, analysis of financial statements, financial investigations and estimates, and the like. The subject matter will be drawn largely from articles and criticisms of corporation reports appearing in the financial press. The enrollment is confined strictly to students who have had either considerable experience in this field or a good preliminary training in finance and accounting. Students will be called upon to do sufficient outside work to make this course equivalent in university credits to a course running throughout the current university term. 1.20. Bldg. 466. Major Emerson.

CADET COLLEGE

ADMINISTRATIVE STAFF

Mr. Warren Lt. Nelson Capt. Rehm Director Assistant Director Supply Officer

INSTRUCTORS

Mathematics. — Mr. Allen, Dr. Buchanan, Capt. Caldwell, Lt. Nelson, Capt. Rehm, Capt. Snapp.

History. — Lt. Bailey, Dr. Evans, Lt. Renn.

English. — Dr. Benham, Capt. Greene, Lt. Jewett, Capt. Parker, Lt. Smolev, Mr. Utter.

Geography. — Mr. Bishop, Mr. Linsley, Mr. Powell, Mr. Ridgley, Lt. Schmerber, Dr. Williams.

The Cadet College was organized to provide instruction of an intensive nature in those subjects which are required of applicants taking the entrance examinations for the United States Military Academy at West Point. The following curriculum was laid down in strict conformity to the requirements given in the Bulletin of Information issued by the Military Academy. The content of each course was governed by the requirements of the Bulletin,

- Cadet 1: Geography. Locational aspects of the geography of the earth's surface.
- Cadet 2: Algebra. Up to and including quadratic equations.
- Cadet 3: English. Elements of composition and grammar.
- Cadet 4: Geometry. Plane geometry only.
- Cadet 5: History. The factual aspect of the history of the United States.
- Cadet 6: History. The history of Europe from 4453 to 4789 inclusive.

Two hundred and ninety-eight students were registered in the Cadet College.

These candidates were selected by commanding officers in all divisions of the American Expeditionary Force. Transfers and preliminary tests reduced the number of those who actually took the formal examination on March 18, 19 and 20 to one hundred and eighty-eight. After the examination the cadets were transferred to the regular courses of the University. For the most part study lists of individuals were made to conform to the first-year work at West Point.

Except in the cases of those to whom commissions were granted after the examination the cadets will be returned to the United States with their own organizations or with the University organization. The successful candidates will report at the Military Academy on July I.

COLLEGE OF CORRESPONDENCE

ADMINISTRATIVE STAFF

Mr. Hill Lt. Fowler Lt. Hunter Director Assistant Director Supply Officer

INSTRUCTORS

Miss Barton, Musician Brandenburger, Sgt. Burr, Mr. Cavins, Lt. Cox, Mr. Davis, Sgt. Janney, Pvt. Kerr, Pvt. Kyle, Mr. Mixer, Pvt. Oxley, Lt. Perry, Miss Richardson, Cpl. Rothert, Lt. Smail, Cpl. Smith.

The purpose of the College of Correspondence, which is in reality the extension department of the A.E.F. University, is to provide educational opportunities for all members of the American Expeditionary Forces who for any reason could not attend a suitable post or division school and who were not qualified to attend any of the English or French universities or the American E. F. University at Beaune.

The Director with three assistants arrived at camp February 14, 1919, and opened an office the next morning. For a time there was great difficulty in obtaining suitable textbooks, supplies and equipment. The securing and training of an efficient clerical and instruction force was a still greater problem. Through the kindly assistance of directors, instructors and advanced students of other colleges, syllabi for twenty-one courses of study were prepared and a list of the subjects announced in the « Stars and Stripes » March 24. Within a few days applications were coming in from all sections.

Salesmanship and Personal Development, Civics and Citizenship, Farm Management, Gasoline Automobile, Shorthand, Business Law, and Foreign Trade were among the most popular subjects. Notwithstanding the lack of facilities and the slow arrival of supplies, one or more textbooks with suitable outlines, supplies and directions have been sent out to five thousand five hundred students. Nearly two thousand of these are located in Germany.

The list of courses now being offered is as follows:

1. Arithmetic (Short Course)

2. Arithmetic (Commercial)

3. Arithmetic (Complete)

4. Shop Arithmetic

5. Advanced Shop Mathematics

6. Algebra (Elementary)

7. Algebra (Intermediate)

8. Algebra (College) 9. Geometry (Plane)

10. Geometry (Solid)

41. Geometry (Analytic)42. Trigonometry43. Civics and Citizenship

14. Economics

15. Commercial Geography

16. Geography of the British Isles

17. Geography of Europe 18. World Geography

19. Modern European History

20. History of the United States

24. Foreign Trade

22. Business Law

23. Business English (Elementary)

24. Business English (High School Grade)

25. Penmanship

26. Bookkeeping

27. Shorthand (Gregg System)

28. Gasoline Automobile

29. Gas Engine Ignition

30. Applied Electricity for Practical Men

31. Steam Boilers

32. Steam Engines

33. Heat

34. Strength of Materials

35. Practical Mechanics

36. Farm Management

37. Productive Farm Crops

38. Effective Farming

39. Garden Farming

40. Dairy Farming

41. Animal Husbandry

42. Poultry Husbandry

43. Productive Orcharding

44. Salesmanship and Personal Development

COLLEGE OF EDUCATION

ADMINISTRATIVE STAFF

Mr. Gwinn Lt. Schmerber Lt Arthur Director Assistant Director Supply Officer

INSTRUCTORS

Lt. Arthur, Pvt. Davis, Mr. Erickson, Mr. Finch, Dr. Foster, Mr. Hendrix, Dr. Penney, Mr. Spalding, Mr. Stark, Dr. Stone, Mr. Tilroe.

CLERICAL ASSISTANTS

Pvt. Kaplan, Pvt. Mefford, Pvt. Miller, Miss Williams.

The College of Education aims, in the first place, to offer to soldiers who expect to teach on their return to America collegiate courses in education, including administration, history, principles, methods of teaching in the high schools and in special branches in the elementary schools, and, in the second place, to provide short intensive courses in the methods of teaching various subjects in the post and division schools in the A. E. F. The college also affords some supervision of instruction in the post and division schools connected with the university.

The regular collegiate courses are carried on by means of lectures and required library readings. Opportunity is offered also in the post and division schools for observation and practice in teaching. Each of the short courses in eighteen different branches two weeks in length includes fifty hours, exclusive of study and library work, devoted to the study of the method of teaching that particular branch, with demonstrations, observation, and practice teaching. These short courses are pursued by groups of men sent to the college from the army of occupation, who, after receiving the training, are returned to their organizations as teachers.

Building 563 is used for administration purposes and Building 408 for class instruction. In addition to these two buildings, rooms in several other colleges are used for instruction of the students in the short courses.

The post and division schools are organized under a separate director, but for purposes of supervision of instruction are connected with the College of Education.

COURSES OF STUDY

- Ed 1C. Educational Administration. Organization, administration, and supervision of school systems. Prerequisite, the equivalent of Ed 3A, Elementary School Management, and Ed 4A, General Methods. 8.20. Bldg. 408. Mr. Gwinn,
- Ed 2B Secondary School Administration.— A course for high school principals. Prerequisite, a working knowledge of psychology and the principles of education. 9.20. Bldg. 408. Dr. FOSTER.
- Ed 3A. Elementary School Management. —A course for principals, covering buildings, equipment, sanitation, organization and management of elementary schools. 1.20. Bldg. 408. Mr. Stark.
- Ed. 4A. General Methods. A basic course for all teachers in educational values, teaching aims, and methods. 41.20. Bldg. 408. Dr. Stone.
- Ed. 3A. Special Methods in Agriculture. A practical course for teachers and supervisors of agricultural instruction. Prerequisite, the equivalent of Ed 4A, General Methods, and adequate preparation in agriculture. 40.20. Pvt. Davis.

- Ed 6A. Special Methods, in Trades. A practical course for teachers and supervisors of school shop-work. Prerequisite, the equivalent of Ed 4A, General Methods, unless taken as accompanying course, and an adequate preparation in special trades. 8.20. Bldg. 408. Lt. Arthur.
- Ed 8B. Special Methods in High School Subjects. A series of short courses in methods of teaching high school English, history, mathematics and sciences, conducted by specialists from the corresponding colleges. Prerequisite, the equivalent of Ed 4A, General Methods, unless taken as accompanying subject, and a collegiate course in subject pursued. 2.20. Bldg. 408. Mr. Erickson.
- Ed 9B. Psychology of Education. A study of the psychological processes involved in mental development. Prerequisite, a knowledge of elementary psychology. 3.20. Bldg. 408. Dr. Penney.
- Ed. 10C. Philosophy of Education. Outline of certain biological, economic and social aspects of education. Prerequisite, adequate preparation in education and history. 11.20. Dr. Penney.
- Ed. 11C. History of Education. A basic course in the history of education. Prerequisite, adequate preparation in education and history. 10.20. Dr. Foster.
- Ed 12C. Physical Education. A practical course for teachers of physical training and directors of playground and recreation centers. 8.20. Bldg. 408. Mr. Spalding.
- Ed 13A. Americanization.—A thorough study of the problems involved in the teaching of illiterates and adult foreigners in post schools and night schools. 14.20. Mr. Tilroe.
- Ed 14B. Educational Sociology. The course includes a survey of the development of social organization and control with special attention to the place of education in this process; attention is then directed to the evaluation of the current educational practice and tendencies with reference to social values and needs. 1.20. Bldg. 408. Mr. Erickson.
- Ed. 16A. Short Courses for Teachers. Each of these courses fifty hours of study of method of teaching, observation and criticism, and practice in teaching, and has for its purpose the preparation of the soldier to return to his military organization as a teacher in the post or division school.

The following courses are offered:

United States History, Modern European History, Elementary Arithmetic, Business Arithmetic,

Algebra, Geometry,

Elementary English,

High School English,

Illiterates,
Geography,
General Science,
Agriculture,
Building Trades,
Automobile Mechanics,
Mechanical Drawing,
Accounting and Bookkeeping,
Salesmanship.

Salesmanship, Citizenship, Mr. Waller.
Lt. Coe.
Mr. Moore.
Mr. Hendrix.
Mr. Baker.
Mr. Highsmith.

Mr. Brown.

Mr. Davis, Mr. Barnes. Miss Richardson. Mr. Eells, Mr. Tilroe.

Mr. Lackey. Mr. Finch. Mr. Barnes.

Mr. Brandt, Mr. Van Oot. Lt. Iverson, Mr. Van Oot.

Lt. Dunham. Lt. Adler. Lt. Mc Farland. Mr. Hormell.

COLLEGE OF ENGINEERING

ADMINISTRATIVE STAFF

Dr. Reber Major Stanton Lt. Chester Allen
Director Assistant to Director Assistant Director
Major Troyan Major Brackenbury Capt. Brooks
In Charge of College In Charge of Student Supply Officer
Maintenance Organization and Records

Capt. Todd. Assistant Supply Officer

HEADS OF DEPARTMENTS

Capt. Holt, Civil Engineering.
Capt. Wood, Electrical Engineering.
Capt. Merick, Mechanical Engineering.
Dr. Lane, Mining Engineering.

INSTRUCTORS

Civil Engineering. — Lt. Allen, Lt. Bach, Cpl. Baird, Sgt. Brown, Pvt. Bryant, Sgt. Bunch, Lt. Callander, Lt. Chapman, Lt. Conover, Lt. Edgar, Sgt. Fultz, Capt. Grant, Lt. Harvey, Lt. Henderson, Major Jacobosky, Lt. Lacouture, Major McLain, Capt. Moulton, Cpl. Nance, Sgt. Plamondon, Capt. Sanger, Pvt. Simons, Capt. Smyth, Mr. Thiessen, Lt. Thomas, Lt. Truitt, Lt. Twitchell, Lt. Wheeler.

Electrical Engineering. — Lt. Agnew, Cpl. Alexander, Lt. Bechlem, Lt. Berkel, Lt. Bessey, Lt. Burke, Lt. Clay, Sgt. Coyle, Pvt. Graybrook, Capt. Heath, Pvt. Howe, Capt. Karsten, Cpl. Lester, Lt. Miller, Pvt. Oster, Capt. Stahl, Sgt. Stanford, Lt. Winters.

Mechanical Engineering. — Lt. Arrowsmith, Lt. Beadle, Lt. Bird, Lt. Black, Lt. Blackall, Pvt. Bohnstengel, Mr. Brandt, Sgt. Buck, Lt. Buckles, Pvt. Chilcoat, Cpt. Daniel, Lt. Davis, Lt. Deal, Lt. Dunham, Pvt. Earl, Major Emerson, Cpl. Farr, Capt. Gillespie, Pvt. Groce, Sgt. Hipsley, Pvt. Hunt, Lt. Iverson, Mr. Jenkins, Capt. McElhiney, Lt. McWhorter, Lt. Marshall, Sgt. Merriam, Lt. Murphy, Cpl. Parent, Lt. Pound, Lt. Raymond, M. E. Rowland, Chauf. Salkeld, Pvt. Shaffer, Pvt. Shaw, Sgt. Shea, Pvt. Sherinyan, Sgt. Weckerly, Lt. Wiggin.

Mining Engineering. — Capt. Archbald, Capt. Dietrich, M. E. Quick, Capt. Ray, Cpl. Rypinski, Capt. Vail.

SECRETARIES

Miss Annis Miss Meeker Miss Wells

DEPARTMENT OF CIVIL ENGINEERING

The courses in civil engineering are largely offered by what might be called a « laboratory » method. Three hours per day are devoted to each of the heavier subjects, during which time the whole work of the day on that subject — whether study, recitation, lecture, field work or laboratory work — is completed, no outside preparation being required. With the small sections among which the students are divided, this method permits practically individual instruction.

The department is well provided with the instrumental equipment needed to conduct the courses in surveying, railroad engineering, field astronomy, etc. Among the instruments are a large Swiss theodolite suitable for accurate triangulation, and for trigonometric leveling, with both horizontal and vertical circles reading to ten seconds of arc, a French triangulation theodolite, sextants, fifty transits and fifty levels of many types and of both American and European manufacture, fifty plane tables with accompanying telescopic alidades, and a sufficient quantity of level rods, stadia rods, tapes, etc. to enable the work to be carried on to the best advantage.

The equipment for highway construction comprises a Cleveland tractor, plows, drags, scrapers, wagons, and the necessary small tools for the construction of short stretches of roads and streets of various types, and, by courtesy of the Construction Engineer at this post, a gasoline road roller is available for use when needed.

Through the kindness of the French authorities there are made available for testing purposes for the class in hydraulics the turbine, pumping machinery and water measuring devices at the « Usine Electrique » in the town of Beaune. This plant formerly generated electricity for the town but has not been in use for some time, the demand for current having exceeded its capacity. The turbine is of the inward flow type, the maximum available head about ten feet, the maximum power about thirty horse power. This plant can easily be turned into a very reasonable substitute for a hydraulic laboratory.

COURSES OF STUDY

CE 1A. Plane Surveying. — The theory and practice of land surveying and leveling; the method of subdivision of the United States public lands; the care, use and adjustment of the compass, transit and level; keeping field notes; office calcula-

- tions. Perequisite, M 3A, Plane Trigonometry, or its equivalent. 9.20-42.40, 1.20-4.40. Bldg. 511-E. Capt. Moulton, in charge of the course; Cpl. Baird, Sgt. Brown, Sgt. Bunch, Lt. Truitt.
- CE 2B. Topographical Surveying. The theory and practice of the use of the stadia, plane table, and other means of obtaining data, keeping field notes, and the office calculations necessary to produce a topographical map. The course includes base line measurement, and triangulation as used in the control of topographical surveys. Prerequisite, CE 4A, Plane Surveying, or its equivalent. 8.20-41.40, 4.20-4.40. Bldg. 544-D-H. Major McLain, in charge of the course; Lt. Edgan, Lt. Henderson.
- CE 3B. Field Astronomy. Theory and practice of the determination with field instrument transit or sextant of latitude, longitude, azimuth and time. Prerequisite, CE 1A, Plane Surveying, or its equivalent, and a knowledge of spherical trigonometry. Second half of term. 1.20-4.10. Bldg. 511-G. Capt. Holt.
- CE 4B Highway Engineering. Road surveys, highway location, drainage, construction and maintenance of earth, gravel, stone and concrete roads. Study of road oils and tars and their uses; construction and maintenance of brick, asphalt and treated block pavements. Prerequisite, CE 4A, Plane Surveying, or its equivalent. First half of term, 1.20-4.10, Bldg. 511-G. Second half of term, 8.20-11.10. Bldg. 511-H. Lt. CHAPMAN, in charge of the course; Lt. Harvey.
- CE 5B. Railway Engineering. Class and field work in simple, reverse, compound and transition curves, earthwork, haul and mass diagrams; rail road location and construction. Prerequisite, CE 1A, Plane Surveying, or its equivalent. 9.20-12. 10, 1.20-4.40. Bldg. 541-F-H. Lt. Twitchell, in charge of the course; Cpl. Nance, Lt. Thomas.
- CE 6B. Mechanics of Materials. A study of the behavior under stress of the various materials used in engineering construction, supplemented by laboratory tests to verify the laws experimentally, and to determine the strength and fitness of the various materials. Prerequisite, a knowledge of mathematics through calculus, and theoretical mechanics. 8.20-41.10, 1.20-4.10. Bldg. 511-F-J. Lt. Callander in charge of the course; Sgt. Planondon.
- CE 7B. Hydraulies. A study of hydrostatic pressure and the laws governing the action of fluids in motion; the flow of water through pipes, orifices, open channels and over weirs; the measurement of flow; supplemented by practical work and tests in the laboratory and in the field. Prerequisite, a knowledge of mathematics through calculus. 8.20-41.40, 4.20-4.40. Bldg. 514-G-K. Lt. LACOUTURE, in charge of the course; Lt. Wheeler.

- CE 8C. Sanitary Engineering. A course in water supply and purification and in sewage disposal; the design of water supply systems and sewer systems and sewage disposal plants. Prerequisite, CE 7B, Hydraulics, unless taken as accompanying subject, or its equivalent. 9.20-12.40. Bldg. 514-K. Capt. Grant.
- CE 9C. Irrigation. A study of the design of irrigation systems, the conveyance of water to the land, the preparation of the land for the water, the duty of water, and the distribution of the water on the land. Prerequisite, CE 7B, Hydraulics, unless taken as accompanying subject, or its equivalent. First half of term, 11.20. Bldg. 511-G. Second half of term, 8.20. Bldg. 511-K. Lt. Wheeler.
- CE 10C. Contracts and Specifications. A study of the law of contracts as applied to engineering work, and of the writing of contracts and specifications. First half of term, 8.20, 14.20. Bldg. 514-K. L. Second half of term, 8.20. Bldg. 514-G. Lt. Harvey.
- CE 11B. Stresses in Framed Structures. The graphical and analytical computation of the stresses produced in framed structures, bridges, roof trusses, mill bents, etc. by the application of different types of loads. Prerequisite, ME 2A, Mechanical Drawing; M 3A, Plane Trigonometry; and M 6A, Analytic Geometry, or their equivalents. 4.20-4.40. Bldg. 514-J. Major Jacobosky, in charge of the course; Sgt. Bach.
- CE 12C. Concrete Design. The manufacture of concrete and the design and construction of concrete structures; the theory of reinforced concrete, and the computation of stresses in and the design of various types of reinforced concrete structures, such as slabs, beams, girders and arches. Prerequisite, a knowledge of mathematics through calculus, and CE 6B, Mechanics of Materials, or its equivalent, 4.20-4.40. Bldg. 544-L. Capt. SANGER.
- CE 13C. Structural Steel Design. Design and preparation of drawings of roof trusses, mill bents, riveted and pinconnected bridges Prerequisite, CE 11B, Stresses in Framed Structures, and CE 6B, Mechanics of Materials, or their equivalents, 8.20-11.10. Bldg. 511-L. Major Jacobosky.
- CE 14A. Engineering for Agricultural Students. A course given in connection with the departments of electrical and mechanical engineering, comprising brief courses in plane surveying, drainage, elementary electricity, gas engines, and the manufacture and use of concrete. 8.20. Bldg. 511-E. Capt. Sanger, in charge of the course; Lt. Allen, Cpl. Baird, Capt. Heath, Lt. Raymond.

- CE 13B. Structural and Topographical Drawing.—Practice in the making of topographical symbols and topographical maps, and in the drafting incident to the design, fabrication and construction of various types of engineering structures. Prerequisite, ME 2A, Mechanical Drawing, or its equivalent. Second half of term. 8.20-41.40, 1.20-4.40. Bldg. 511-D-G. Mr. Thiessen, in charge of the course; Pvt. Bryant.
- CE 16C. Foundations. A study of various types of foundations and methods of placing, both on land and under water, including the investigation of the bearing power of soils, scour of streams, etc. Prerequisite, CE 6B, Mechanics of Materials, or its equivalent. Second half of term. 11.20. Bldg. 511-L. Major Jacobosky.
- CE 17B. Architectural Engineering. A study of the computation of stresses and the engineering design involved in various types of building construction; an application of the principles of engineering to architectural work. Prerequisite, CE 6B, Mechanics of Materials, or its equivalent. 8.20-41.20. Bldg. 514-D. Capt. SMYTH.

DIVISION SCHOOL COURSE

DV 13. Plane Surveying — Vocational. — This course includes a study of methods of making farm surveys, surveys for drainage, etc., and practice in the use of the instruments ordinarily used in surveying, — compass, transit, and level. It is designed to meet the needs of those who wish to learn surveying, but who have not sufficient preparation to take the regular courses in the department of civil engineering. Its limitations are therefore governed by the ability of the students in the classes. 1.20-3.40. Bldg. 667-L. Lt. Conover, in charge of the course; Pvt. Simons.

DEPARTMENT OF ELECTRICAL ENGINNERING

The laboratory devoted the general work in electrical engineering is equipped with six gas-electric sets for supplying direct current on the three-wire system to the other laboratories and shops, as well as for testing. There are sixteen direct current motors and generators in the laboratory arranged for testing purposes. A large number of storage batteries are also installed and kept

charged from special gas-electric sets. Three-phase alternating current is supplied over a high voltage line and is used for testing induction motors, transformers, etc. Much of the apparatus is of French, Spanish and German manufacture, and the student is thus enabled to see the different designs.

A small shop is operated in one corner of the laboratory so that repairs may be conveniently made. The instrument and tool room is centrally located and is well equipped with a variety of apparatus. Equipment for automobile starting, lighting and ignition systems is also installed in this laboratory.

The wireless and wire telegraph and telephone laboratories are in building 672. The main aerial for the wireless work is about 600 feet in length and messages are almost constantly received from the United States. The College of Engineering has a complete telephone system of its own which has been installed by the students. The switchboard for this, as well as all other telephone equipment, is located in the telephone laboratory. Practice in cable testing and splicing is also carried on here.

COURSES OF STUDY

- EE 1A Elementary Electricity. A very elementary course for students who do not expect to continue their college work. Recitation is accompanied by frequent demonstrations in the laboratory and a small amount of laboratory practice. 40.20. Bldg. 672-G-F. Pvt. Graybrook, in charge of the course; Pvt. Howe.
- EE 2B. Electricity and Magnetism. A course in the fundamental principles of electricity and magnetism. 1.20. Bldg. 672-F. Lt. MILLER, in charge of the course; Pvt. Graybrook.
- EE 3B. Direct Current Machinery. Magnets, field windings, heating of coils, armature winding and other details

of direct current motors and generators. Characteristic performance of different types is studied with a view to the proper selection of units for electrically driven machinery and power plants. Prerequisite, EE 2B, Electricity and Magnetism, or its equivalent. 4.20. Bldg. 672-D. Capt. Stahl, in charge of the course; Capt. Karsten.

- EE 4C. Alternating Current Machinery. General theory of alternating current in circuits of resistance, inductance and capacity, construction and performance of transformers, alternators, induction motors, and other apparatus. Prerequisite, EE 2B, Direct Current Machinery, or its equivalent. 8.20. Bldg. 672-F. Lt. Agnew.
- EE 3C. Power Transmission. Polyphase alternating current circuit, effects of resistance, inductance and capacity, location and construction of high voltage power transmission lines, insulation and lighting protection, disturbance to adjacent circuits, etc., with a brief course covering substation equipment, such as transformers, oil switches, motor generators, and converters. Prerequisite, EE 2B, Electricity and Magnetism, or its equivalent. 8 20. Bldg. 672-F. Lt. Bessey.
- EE 6C. Central Stations. Steam. gas, and hydro-electric power plant installations, distribution systems, storage batteries, substations, switchboards, and other apparatus, relative economy of different prime movers. Prerequisite, EE 2B, Electricity and Magnetism, or its equivalent. 9.20. Bldg. 672-F. Lt. Bessey.
- EE 7C. Telephony. Study of the apparatus employed for country telephone lines, common battery switchboards, line construction, inductive and lighting disturbances, etc. First half of term. 40.20. Bldg. 672-F. Capt. Нелтн.
- EE 3C. Telegraphy. Study of ordinary telegraph apparatus and circuits and radio telegraphy. Second half of term. 40.20. Bldg. 672-D. Capt. Stahl, in charge of the course; Lt. Berkel.
- EE 9C. Electric Railways. Location of electric railways, equipment of cars, control apparatus, electrolysis, substation equipment, power requirements, construction, etc. Prerequisite, EE 3B, Direct Current Machinery, or its equivalent. First half of term. 44.20. Bldg. 672-D. Lt. Burke.
- EE 10C. Illumination. Characteristics of different types of electrical illuminants, photometry, design of interior lighting systems, street lighting, watt-hour meters, three-wire distribution system, overhead and underground distribution. Prerequisite, EE 3B, Direct Current Machinery, or its equivalent. Second half of term. 11.20. Bldg. 672-F. Capt. Wood.

- EE. 11B. Electrical Laboratory and Design. Electrical laboratory work is required of all students taking the electrical engineering courses. The work is closely supervised to keep pace with the student's ability and knowledge. Reports of all work done in the laboratory are carefully prepared. 8.20, 10.20. Bldg. 672-H. Capt. Karsten, in charge of the course; Lt. Bechlem, Lt. Clay, Pvt. Graybrook, Lt. Miller, Sgt. Stanford, Lt. Winters.
- EE 12B Electrical Laboratory and Design. A large number of selected problems to be solved under the direct supervision of the intructors. The course is arranged by the instructor teaching one of the major subjects in order to paralled closely the class room work. 4.20, 2.20, 3.20, Bldg. 672-H. Lt. Agnew, in charge of the course; Lt. Bessey, Pvt. Howe.

DIVISION SCHOOL COURSES

- DV 9. Electric Wiring for Motors, Generators and Lights. A course giving the elementary principles of electricity: study of proper methods of wiring; practice in the laboratory and actual wiring of apparatus. 8.20-10.10, 9.20-11.20. Bldg. 672-G-J. Cpl. Lester, in charge of the course; Pvt. Oster.
- DV 10. Wire Telegraphy. A course in which the telegraph code is taught and practiced. The operators used by wire telegraph systems are studied and connected in the circuits, 8.20, 9.20. Bldg. 672-J-L. Capt. Stahl, in charge of the course; Lt. Berkel.
- DV 11. Wireless Telegraphy. Practice is given in sending and in receiving radio messages. The theory of the apparatus is studied and many lectures are given. The course is quite complete, the equipment is excellent, and only well qualified students are admitted. 2.20-4.10, Bldg. 672-J-L. Capt. STAHL, in charge of the course; Lt. Berkel.
- DV 12. Telephone Installation and Repair. A study of the telephone, the switchboard and the line. Much actual work is done on the apparatus such as dismounting, assembling, locating troubles, etc. 4.20, 2.20, 3.20. Bldg. 672-H K. Capt. Heath.
- DV 13. Armature Winding and Repair. This course combines a study of dynamos and motors with much emphasis placed on the actual methods of winding armatures and the locations of armature troubles. Practice is given in keeping the motors and generators about the laboratory and shops in repair. Some time is also devoted to alternating current apparatus. 4.20, 2.20, 3.20. Bldg. 672-D-G. Cpl. Lester, in charge of the course; Pvt. Oster.

DEPARTMENT OF MECHANICAL ENGINEERING

The University has a very well equipped mechanical engineering laboratory and is prepared to give a complete course in mechanical engineering laboratory work. The laboratory is so arranged that a large number of students can be taught shop practice subjects in addition to experimental tests, etc.

The laboratories have a combined floor space of approximately 25,000 square feet and consist of three large airplane hangars erected end to end, containing the machine shop, gas and oil engines, steam units and automobile laboratory. The boiler room is an adjoining corrugated iron building and a fourth hangar is used for the airplane and airplane motors. The carpenter shop is in a separate building nearby. A 60 cm. railroad which serves as a source of supply to the laboratories runs down the centre through the entire length of the hangars, and with 4,000 meters of track connects with the standard gauge railroad supplying the camp.

The carpenter shop is equipped with electric driven machines and there is a sufficient supply of small hand tools with benches for use in instruction in carpentry, pattern and cabinet making as well as general woodworking. The handwork is supplemented by instruction in the care and use of the woodworking machine tools.

The airplane laboratory, housed in a hangar 65 feet by 450 feet, is equipped with all necessary tools for ground instruction in airplane mechanics and airplane design. There are eight airplanes of different makes, complete and in flyng condition, available for ground study. In addition, several engines are available for test and study. The machine shop contains a large number of electric driven machines, and has available for use an engineer mobile blacksmith shop, a mobile carpenter shop, and a mobile ordnance heavy repair shop.

There is a large gas engine equipment and a number of automobile engines of different makes and a large gasoline locomotive. The power is absorbed by a Prony brake or in the case of the electrical units is absorbed electrically.

The steam equipment consist of three 100 H. P. Chandler & Taylor Corliss type engines, one 90 H. P. slide valve throttling engine, two 500 K. W. Westinghouse Parsons steam turbines, five steam pumps of various sizes, a large assortment of accessories, two locomotive type boilers, one hoisting unit consisting of boiler and engine, and one German 60 cm. steam locomotive.

The automobile laboratory is equipped to accommodate 250 students. The equipment includes twenty automobiles of different makes, which give examples of every kind of automobile construction. There are also twenty separate automobile motors for engine study, and twenty rear axle assemblies. The shop is prepared to give instruction in welding and in any machine tool work pertaining to auto repair.

There is a considerable amount of miscellaneous apparatus throughout the laboratories, and there are facilities for giving instruction to students in almost any line of mechanical work they desire, from the elementary work for the beginners to the advanced experimental work for the graduate student.

COURSES OF STUDY

- ME 1B. Applied Mechanics. A study of the principles of equilibrium and their application to the analysis of forces involved in framed structures and machines; rectilinear, curvilinear and harmonic motions; force, mass, acceleration, work and power. The solution of a large number of practical problems and laboratory work demonstrating principles studied. Prerequisite, M 3A, Plane Trigonometry, or its equivalent. 8.20, 44.20. Bldg. 669-F-H. Lt. Beadle, in charge of the course; Lt. Crum, Lt. Marshall, Sgt. Merriam.
- ME 2A. Mechanical Drawing. Use of drawing instruments, graphic representation of simple problems of design, projections of graphic representations of solids, conventional methods of representing machine parts. The course consists largely of drafting room work based upon the best modern practice in industrial plants. 8.20, 9.20, 40.20, 41.20, 2.20, 3.20. Bldg. 674. Mr. Jerkins, in charge of the course; Lt. Buckles, Pvt. Earl, Pvt. Grock, Sgt. Hipsley, Cpl. Parent, Pvt. Shaffer, Pvt. Shaw, Pvt Sherinyan, Sgt. Weckerly.
- ME 3B. Mechanism-Kinematics of Machines. Study of the principles underlying the action of the elementary combinations of which all machines are composed; the communication of motion by gear wheels, belts, cams, screws, and link work; means of producing changes of velocity; epicyclic trains; parallel and quick return motions. Prerequisite, M 3A, Plane Trigonometry, and ME 2A, Mechanical Drawing, or their equivalents. 9.20. Bldg. 669-F. Lt. Beadle.
- ME 4B. Machine Design. Lectures, recitations, and drawing room practice in the calculation and design of various mechanisms and machine parts. Prerequisite, CE 6B, Mechanics of Materials, or its equivalent. 8.20. 41.20, 2.20, 3.20. Bldg. 669-A-H-K. Lt. Marshall, in charge of the course; Pvt. Bohnstergel.
- ME 5B. Heating and Ventilation. A study of the principles and practice of modern heating and ventilation, including hot air, hot water, and steam systems, and their combinations as applied to the heating and ventilation of residences, public buildings, industrial plants, etc. Prerequisite, a knowledge of elementary physics, and ME 2A, Mechanical Drawing, or its equivalent. 9.20. Bldg. 669-D. Capt. Daniel.
- ME 6B. Steam Boilers and Eugines. A study of fuels, their combustion under steam boilers, the principles underlying the generation and use of steam in the boiler, steam engines of various types, and the auxiliary apparatus used in connection with boilers and engines in the steam power plant. The course

includes a certain amount of laboratory practice. Prerequisite, a knowledge of elementary physics and algebra. 9.20. Bldg. 669-H. Lt. Black, in charge of the course; Lt. Pound.

- ME 7B. Gas Engineering. Principles underlying the conversion of heat into mechanical energy through the medium of the internal combustion engine. This includes the study of the gas producer and the principles of operation of various types of motors used in both stationary and automobile practice. There is a considerable amount of laboratory practice. Prerequisite, a knowledge of elementary chemistry, and ME 1B, Applied Mechanics, and ME 8B, Heat Engineering, or their equivalents. 9.20, 10.20. Bldg. 669-J. Lt. Raymond.
- ME 8B. Heat Engineering. A study of the fundamental laws underlying the conversion of heat into mechanical energy; a detailed study of the theoretical possibilities of various types of engines including the steam engine, steam turbine, and all possible forms of gas engines; numerous problems involving the calculation of the efficiency of the steam engine, gas engine, air compressor, refrigerating machine, etc. Special attention is given to the analysis of such problems by means of the temperature-entropy diagram. Prerequisite, a knowledge of elementary physics and mathematics through calculus. 40.20. Bldg. 669-H. Lt. Pound.
- ME 9B. Steam Turbine Engineering. A study of the thermodynamic principles underlying the theory of steam turbine design; descriptive study of various classes of turbines and their particular adaptability for various uses. Prerequisite, a knowledge of elementary physics, and ME 8B. Heat Engineering, or its equivalent. 9.20. Bldg. 309. Capt. Merick.
- ME 10B. Power Plants and Power Transmission. A study of the design and construction of steam power plants for mills, electric generating stations, etc. This includes the study of suitable power plant auxiliaries, buildings, piping systems, fuel storage facilities, cost of power, etc. Prerequisite, ME 8B. Heat Engineering, and ME 9B, Steam Turbine Engineering, or their equivalents. 10.20. Bldg. 669-D. Capt. Daniel.
- ME 11B. Automobile Engineering. A study of the various important mechanisms of the automobile, including engine, running gear and transmission and the various methods of assembly to form the complete machine; discussion of the efficiency and durability of various combinations, and design of a complete chassis. Prerequisite, a knowledge of elementary mechanics, and ME 3B, Mechanism-Kinematics of Machines, and ME 7B, Gas Engineering, or their equivalents. 8.20, 9.20. Bldg. 669. Lt. Davis.

ME 12B. Materials of Engineering. — A study of the methods of manufacture and properties of the more commonly used materials of construction, such as steel, concrete, timber, etc. Numerous problems involving the design of structures composed of these materials are studied, and as far as opportunity permits, actual tests of these materials are conducted in order to determine their behavior in practice. Prerequisite, a knowledge of elementary mechanics and chemistry. 40.20. Bldg. 669-A. Pvt. Bohnstengel.

ME 13C. Industrial Organization and Management.— A course of lectures and practical problems in modern industrial management and organization: the growth and development of the efficiency movement and its effect on wages, costs, production, methods, factory layout, stores accounting, and factory welfare work. Prerequisite, two years of college engineering or two years of practical shop work. 9.20, 10.20. Bldg. 669-G. Capt. Merick.

DIVISION SCHOOL COURSES

- DV 1. Automobile Operation and Repair. This course with DV 3 and DV 46 covers the operation and maintenance of all types of internal combustion units, including assembling, repair, and adjustment with study of nomenclature and test. Monday, Wednesday and Friday. 8.20-41.40, 9.20-42.40, 4.20-4.40. Mechanical Engineering Laboratory. Lt. RAYMOND, in charge of the course; Cpl. Farr, Sgt. Hunt, M. E. Rowland.
- DV 2. Automobile Starting, Lighting and Ignition Systems. The course covers the starting, lighting and ignition equipment of modern automobiles. Laboratory equipment is provided and a large part of the time is devoted to practical tests with the apparatus. 8.20-10.40, 9.20-41.40. Bldg. 672-E-G. Lt. BURKE, in charge of the course; Cpl. ALEXANDER, Sgt. COYLE, Pvt. Howe, Sgt. Stanford.
- DV 3. Gas, Gasoline and Oil Engine Operation. See DV 4.
- DV 4. Care and Operation of Steam Boilers. This course with DV 5 covers the operation and maintenance of several types of steam driven power units; fuel, maintenance and equipment together with the testing of actual machines. 8.20-12.40. Capt. Daniel, in charge of the course; Lt. Black, Lt. Raymond.
- DV 5. Care and Operation of Steam Engines. See DV 4.

- DV 7. Shop Sketching, Mechanical Drawing and Lettering. This course is intended for men who wish to become draftsmen or who wish to acquire a working knowledge of mechanical drawing. Two days each week are devoted to shop sketching and three days to the principles of mechanical drawing. The work is arranged in the beginning so as to meet the needs of the students as a group, and as it progresses to meet the needs of the individual students. 8.20-40.40, 40.20-42.40, 4.20-3.40. Bldg. 674. Lt. Dunham, in charge of the course; Cpl. Parent.
- DV 14. Carpentry and General Wood Work. The course is designed to meet the needs of men who desire instruction in the reading of blue prints, working from details, and outside carpentry in general such as framing, outside finishing and trussing, and wherever possible the operation of wood working machinery. Whenever practicable, men may specialize in any one of the branches in which they are not proficient. 8.20-10.10, 10.20-12.10, 1.20-3.10. Bldg. 673. Lt. Bird, in charge of the course; Sgt. Buck, Lt. Deal.

DV 16. Airplane Repair. - See DV 1.

DV 17 Shop Mathematics. — This is a practical course in elementary mathematics as used in the shop. The fundamental principles of mathematics are discussed, shop terms and processes being used. Numerous applications to shop problems are given, which develope in the student an ability to apply mathematical and scientific principles to his every-day work. The applications relate largely to the metal working and electrical trades, but the work is not applied so closely to these trades that it will not be of interest and value to men in other lines of industry. It is also recommended as a course of mathematics preparatory to more advanced technical subjects. 40.20, 1.20. Bldg. 669-F-G-L. Pyt. Bortz, in charge of the course; Pyt. Symonds.

DEPARTMENT OF MINING ENGINEERING

The aim of the department of mining engineering is to present in the short time allowed a broad general prospect of the essential knowledge required of a person following the profession of mining. To this end courses are given in mining, mineralogy, surveying, metallurgy, and ore dressing, the College of Science presenting the courses in geology needed by students in mining.

The courses in mine surveying are conducted in the field, and there is a sufficient number of the necessary instruments for this work. Students who are qualified are given more advanced work in special sections along theoretical lines, and intensive laboratory work when equipment is available. The mineralogical laboratory has a hundred specimens of the common and important minerals obtained by purchase, and about as many more by gift from M. Changarnier, conservateur of the Museum at Beaune, where there are more extensive mineral collections which can be used. There is also a much larger number of handsome specimens loaned by the University of Dijon, and considerable collections made by the students. Sets of the standard minerals will be put into the hands of each student.

COURSES OF STUDY

- MnE 2B. Mine Surveying and Mapping. A practical course in the theory of the construction, care, use and adjustment of the instruments of the survey; stellar and solar observations for determining the meridian; initiating the survey; surface surveys; carrying the meridian underground, and executing the underground survey; triangulation; topographical surveying; mapping the survey. About seventy-five per cent of the work in this course is carried on in the field by the students, in practical work under the direction of the instructor, while the other twenty-five per cent of the work consists of lectures, drafting, etc. Prerequisite, M 3A, Plane Trigonometry, or its equivalent. 4.20-3.40. Bldg. 667-E. Capt. Dietrich.
- MnE 3C Elements of Mining and General Efficiency.

 A series of lectures upon the main engineering features involved in the operation of mines and mine management. 9.20. Bldg. 667-F. Capt. Archbald.
- MnE 4A. Mineralogy. This course is one of practical determination of common minerals and to some extent of rocks by their physical characters. The instruction is by lectures and laboratory handling of specimens. The extensive collections of the Museum at Beaune have been placed at our disposal by M. Changarnier, the curator, and the mineralogical and geolo-

gical department of the neighboring University of Dijon has been of assistance. Within easy distance of the University are important mineral localities and mines to which the students are making excursions, 8.20. Bldg. 667-K. Dr. Lane, in charge of the course; Mr. Quick.

- MnE 3C. Mining Seminar. This course is open to students in engineering and science, but work is given in general to advanced students. It is rated as a half course. Students are required to prepare papers on subjects with which they are conversant through practical experience. The class discusses the paper. Topics of greatest value to mining engineers are given precedence. 2.20. Bldg. 667-E. Capt. Ray.
- MnE 7A. Metallurgy. The course in metallurgy comprises a series of lectures covering the underlying principles of the extraction of metals from their ores, and a subsequent series dealing in detail with the metallurgy of each of the important metals of commerce. Students are required to prepare papers summarizing the lectures on the various metals and to prepare a more lengthy paper dealing with the metallurgy of one or more of these metals. Prerequisite, a knowledge of elementary chemistry, physics and algebra. 1.20. Bldg. 667-L. Capt. Ray.
- MnE 8A. Ore Dressing. The course consists of two lecture hours a week. The principles of ore dressing are given in elementary form, and are enlarged upon as far as time and available printed matter permit. 4.20. Bldg. 667-G. Cpl. Rypinski.

COLLEGE OF JOURNALISM

ADMINISTRATIVE STAFF

Mr. Fogg Director Capt. Rupert

Assistant Director

Lt. Boeh Supply Officer

Lt. Marshall Construction Officer

INSTRUCTORS

Pvt. Arnold, Lt. Ballard, Mr. Beckman, Cpl. Davidson, Pvt. Emery, Capt. Forman, Capt. Graham, Cpl. Pekar, Lt. Mann, Lt. Charles, Sgt. Maj. Fuller, Pvt. Mankiewicz, Capt. Rupert, Cpl. Williams, Sgt. Maj. Wilson.

The purpose of the College of Journalism is to provide students intending to go into journalism with practical training in various forms of journalistic writing; to train them in the work of the editor; to emphasize the social aspects of the work of the journalist; and to guide such students in laying a solid foundation in those subjects essential for the broadly equipped journalist, — economics, history, literature, philosophy, psychology, political science, and social science.

The laboratory, arranged as a «city room », and the newspaper reading room are the work shops of the students. In the reading room are current files of various types of American, English, and French dailies and weeklies. The students in journalism also have access to the newspapers and magazines in the reading room of the department of history, and reference books are reserved in the journalism alcove in the University library.

In addition to the classroom instruction, students will have opportunity in connection with the "A.E. F. University News", the University newspaper published under the auspices of the College of Journalism, to gather, write, and edit news; and in conjunction with the department of history they may get in H 6C, Current History, training in the editing of current events bulletins, summaries of significant world news which will be distributed throughout the A.E. F. Students in the course J 4B, The Special Article, are given practical training in connection with the writing of the official history of the American E. F. University.

A course of lectures open to the University public has been arranged under the auspices of the College of Journalism to be given by prominent journalists connected with the Peace Conference. The course was opened by William Allen White, editor of the Emporia (Kansas) Gazette, whose subject was « Reporting the Peace Conference », and invitations to speak have been accepted by the following: John Bass of the Chicago Evening News; Edward Dolleans of Paris, professor of political economy and social psychology, University of Dijon, lecturer on constitutional law and political economy to the American students at the University of Paris; Patrick Gallagher of the New York Herald, subject « The Far East »; Reginald Wright Kauffman of the New York Tribune, subject « The Newspaper and the Novel »; George H. Peet of the Washington Bureau of the Associated Press, liaison officer of the French government; Walter S. Rogers of Chicago and New York, adviser to

the Peace Conference on wire and radio communication problems, director of the United States Radio News Service, subjects « World-Wide Communication » and « World-Wide News Distribution »; Herbert Bayard Swope, city editor of The World, New York; Henry Kitchell Webster of Chicago, novelist, subject « Some Essentials of Fiction Writing ».

Major Fred M. Fling, Chief of the Diplomatic Division of the U. S. War College and head of the department of European history in the University of Nebraska, will speak on « German Imperialism » and « The Journalist and the Facts », and there will be lectures on the following subjects by members of the University faculty: « Journalism and Agriculture », Dr. Butterfield; « History and the Journalist », Mr. Evans; « The Newspaper as a Social Factor », Major Parker; « The Legal Ethics of the Journalist », Captain Seavey; « The Journalist and the Human Mind », Mr. Williams.

COURSES OF STUDY

- J 1B. Newspaper writing. A study of the structure and style of journalistic narrative, of news values, and of kinds of straight news stories. Getting the news, « covering » actual news events. The « human interest » story. Practical training, from the point of view of the editor's desk, in accurate, concise, vivid writing. 9.20, 10.20, 1.20. Bldgs. 522, east end and west end, 565-B-C. Lt. Ballard, Capt. Graham, Capt. Pvt. Emory, Rupert, Sgt. Wilson
- J 2B. Newspaper Editing. Practice in handling «copy»; editing, rewriting, headline writing, proof-reading, make-up; discussion of methods of presenting news. Problems and policies; the relation of the press to the public; the press in a democracy; sensational journalism; journalistic ethics, suppressing, cooking », faking; the law of libel; comparative study of newspapers on file. 10.20. Bldg. 565-C-D. Capt. Graham, Cpl. Williams, Sgt. Wilson.

- J 3B. Agricultural Journalism. Study and practice of the principles of news and editorial writing as applied to the rural field. The course deals with agricultural subject matter. Special news-gathering trips to nearby rural communities and enterprises, 8.20 Bldg. 566 Mr. Beckman, Lt. Charles.
- J 4B. The Special Article. Practice in writing for publication the « feature » story. General narrative, description, and expository writing on subjects of local interest or that arise out the news of the day. Study, from a « feature » angle, of French life and of the soldier's environment and experiences of the war. Monday. Wednesday and Friday. 2.20 Bldg. 522, east and west. Cpl. Davidson, Cpl. Williams.
- J 6B. The Editorial. Study of the editorial article, with practice in writing it on subjects of local interest and on general questions of the day. Types of the editorial. Methods and influence of representative editors. Tuesday and Thursday. Bldg. 522, east. Mr. Fogg.
- J 7B. The Short Story. A practical course in the building of plots, the writing of dramatic narrative, and the handling of fiction material and manuscript with a view to salability. A laboratory course in the construction of short fiction. Monday, Wednesday and Friday. 10.20. Bldg. 522 west. Cpl. Davidson. Pyt. Mankiewicz.

A course in "Advertising Copy" is given as English 14 C in the

College of Letters for students of journalism.

COLLEGE OF LAW

ADMINISTRATIVE STAFF

Capt. Seavey
Director

Capt. Ireton

Assistant Director and Supply Officer

INSTRUCTORS

Lt. Appel, Dr. Burke, Major McAdam, Pvt. Phipps, Sgt. Prashker.

The College of Law has been organized to allow members of the A.E.F. to begin or to continue their legal studies in a school having the same ideals and teaching methods as the best American law schools. The standards are those of the American Law School Association and the work given will prepare students for the bar of any state. The « Case System » of teaching has been adopted. A small library of English and American books is available for the use of students. This library has been supplemented and enlarged by mimeographing selected cases for class-room work.

A certificate will be given for all work completed. Each course represents a complete course as given in an American law school,

A high school course or its equivalent is required for entrance.

COURSES OF STUDY

L 1A. Elementary Law. — Development of American law, use of reports, study of cases, divisions of law. (This course occupied fifteen hours and was completed the first week of the term.) 8.20, 10.20, 1.20. Bldg. 402.

- L 2A. Torts. Assault, battery, false imprisonment, trespass, negligence, casual connection, extra hazardous uses, liability of land owners, deceit, malicious prosecution, defamation, and combinations. 9.20. Bldg. 402. Capt. Seavey.
- L 3A. Contracts. Mutual assent, consideration, conditions, discharge, and illegality. Lectures. 8 20, 4.20. Bldg. 402. Lt. Appel.
- L 4A. Criminal Law. The act, mens area, attempts, accessories, justification, and specific crimes. 3.20. Bldg. 403. Dr. Burke.
- L 3B. Agency. The relationship, the persons, the formalities, liability of principal to third persons, undisclosed principal, liability of principal to agent, liability of agent to principal and third persons, ratification, and end of relationship. Prerequisite, one year of law. 41.20. Bldg. 403. Sgt. Prashker.
- L 6B. Evidence. Functions of court and jury, presumptions, hearsay, opinion, proof of documents, documents and parole evidence, and witnesses. Prerequisite, one year of law. 10.20. Bldg. 402. Capt. IRETON.
- L7B. Sales. The property, passage of title, bills of lading and documents of title, stoppage in transit, retention of possession, fraud and statute of frauds, warranties. Prerequisite, one year of law. 2.20. Bldg. 403. Pvt. Phipps.
- L 8C. Corporations. Nature of corporations, relations between corporations and the public, relations between corporation and its stockholders, remedies against corporations, dissolution. Prerequisite, two years of law. 1.20. Bldg. 403. Mr. Burke.
- L 9B. Trusts. Nature of trusts, creation of trusts, extinguishment of trusts, the trustee, the cestui, the res, duties of a trustee, rights of third parties. Prerequisite, two years of law. 41.20. Bldg. 403. Capt. Seavey.
- L 10B. Procedure and Practice. A brief review of common law pleading with practical work in the drawing of pleadings. Monday, Weduesday and Friday. 2.20, 3.20. Bldg. 402. Major McAdams.
- L 11BC. Constitutional Law. Origin and rise of the contitution; constitutions written and unwritten; powers of the Federal Government; powers of the states; amendments and constitutional interpretation. Tuesday and Thursday. 2.30, 3.20 Bldg. 402. Capt. IRETON.

COLLEGE OF LETTERS

ADMINISTRATIVE STAFF

Major Parker Capt. Parker Lt. Benedict
Director Assistant Director Supply Officer

HEADS OF DEPARTMENTS

Major Parker, Economics Mr. Evans, History
Dr. Utter, English
M. Bec, French
M. Bourgogne, French
Lt. Savage, Greek

Mr. Evans, History
Capt. Greene, Latin
Mr. Flewelling, Philosophy
Lt. Williams, Political Science
Sgt. Helbig, Spanish

INSTRUCTORS

Economics. — Lt. Brandon, Capt. Burnham, Mr. Gillespie, Mr. Johnston, Cpl. Mack, Lt. Polier, Lt. Reap, Mr. Steed.

English. — Cpl. Agard, Dr. Allen, Mr. Barnes, Dr. Benham, Musician Boulter, Sgt. Boyden, Lt. Burrowes, Sgt. Chase, Cpl. Crowell, Mr. Davis, Lt. Dennis, Lt. Estill, Lt. Ewert, Pvt. Glass, Mr. Hall, Miss Herren, Mr. Holloway, Lt. Jewett, Pvt. Johnstone, Dr. Kerlin, Mr. Kinnick, Pvt. Knowles, Sgt. Lindquist, Mr. MacClintock, Pvt. Mankiewicz, Sgt. Miller, Mr. Murphey, Major Northrop, Mr. Paterson, Miss Richardson, Cpl. Rounsevelle, Mr. Siegfried, Lt. Smail, Lt. Smolev, Pvt. Southwick, Cpl. Turner, Mr. Bishop.

French. — Lt. Batal, Pvt. Berberian, M. Binon, Sgt. Bleynie, Capt. Cerf, Lt. Cornut, Lt. de Grouchy, Capt.

de Lecluse, Lt. de Marion de Glatigny, M. de Thorey, M. Foret, M. Garnier, Sgt. Gay, M. Guillemin, Sgt. Herlin, Cpl. LaCasse, Lt. Langlard, M. Lavoillotte, Capt. Legent, Capt. MacKain, Sgt. Menial, Mlle Monteanu, Lt. Myers, M. Noirot, Sgt. Petit, Asp't. Pingault, Lt. Portier, Pvt. Robinot, M. Rousseau, M. Savin, Pvt. Thomaides, Lt. Turner, Sgt. Walbron, Lt. Waltz, Miss Welles.

Greek. - Lt. Savage, Sgt. Yates.

History. — Dr. Allen, Mr. Anderson, Capt. Bonneville, Dr. Custer, Dr. Enelow, Dr. Evans, Mr. H.A. Foster, Dr. H.D. Foster, Cpl. Hall, Mr. Jackson, Dr. Lowe, Dr. Riley.

Latin. - Lt. Replat.

Philosophy. — Sgt. Blanshard, Mr. Cantrall.

Political Science. — Cpl. Blalock, Cpl. Hall, Lt. Lowell, Lt. Sadler.

Spanish. — Lt. Bailey, Pvt. Garcia, Lt. Martinez, Sgt. Vega.

ASSISTANTS

Lt. Achorn, Lt. Coe, Capt. Colonna, Mr. Graham, Lt. Renn, Cpl. Swift.

CLERICAL ASSISTANTS

Miss Atkinson, Cpl. Calhoun, Miss Dean, Miss Gulbransen, Lt. Harris, Cpl. Heinig, Miss Troan.

ECONOMICS AND SOCIAL SCIENCE

- Ec 1A. Fundamental Economic Theory. A study or fundamental economic concepts and processes; value, price, production and distribution. 9.20, 40.20. Bldgs. 409-B-C, 418. Mr. Jonntson, Major Parker.
- Ec 2B. Economic History. A study of the economic development of society; methods of production and distribution. 11.20. Bldg. 409-A. Mr. Steed.
- Ec 3C. Monopolies and Trusts. A study of the origin and development of the trust as a phenomenon of the modern business world. 4.20. Bldg. 409-A. Lt. Polier.
- Ec 4B. Labor Problems. A study of labor organizations, wages, conditions of labor and labor legislation. 2.20. Bldg, 409 A. Lt. Polier.
- Ee 3B. Elementary Sociology. A study of the origin and evolutionary development of society; social customs, laws and sanctions. 8.20. Bldg. 409-C. Capt. Burnham, Mr. Johnston.
- Ec 6C. Social Psychology. A study of the origin, development and present status of collective action. 10.20. Bldg. 409-A. Capt. Burnham.
- Ec 7B. Social Problems. A study of the problems resulting from human association; the modern city, immigration, pathological conditions. 9.20. Bldg. 409-A. Mr. GILLESPIE.
- Ec 9B. Transportation. A study of modern transportation problems, railroad organization, finance, and administration. Prerequisite, Ec 4A, Fundamental Economic Theory, or its equivalent. 40.20. Bldg. 409-C. Cpl. Mack.
- Ec 10B. Delinquency. A study of crime, its origin, causes, prevention and cure. 8.20. Bldg. 409-B. Mr. Steed.
- Ec 11C. Modern Social Theories. A study of the theories of representative modern sociologists. 1.20. Bldg. 409-B. Mr. Gillespie.
- Ec 12C. Money and Banking. A study of the mechanism of exchange and the principles underlying modern business banking, 8.20, 9 20. Bldg. 409-B. Lt. Reap.
- Ec 13C. Corporation Finance. A study of the principles underlying corporate security issues; floatation and amortization of loans. 1.20. Bldg. 409-C. Cpl. Маск.
- Ec 14B. Modern Social Betterment Movements. Historical study of social movements, tracing their development to modern times. Detailed study of modern social movements, social settlements, child welfare, organized charity, medical social service, etc. Λ study is also made of governmental activity

for social welfare. Prerequisite, Ec 5B, Elementary Sociology, or its equivalent. 2.20. Bldg. 409-B. Lt. Brandon.

ENGLISH

- Eng 1A. Elementary Composition. The course affords practice in writing under criticism long and short exercises in exposition, narration, and description. Literary models are constantly presented and discussed. For students who have had the equivalent of a high school course in English including training in spelling, punctuation, sentence and paragraph structure. All hours. Bldgs. 414-A-B-C, 415-A. Cpl. Agard, Lt. Burrowes, Lt. Estill, Pvt. Glass, Capt. Greene, Lt. Jewett. Mr. Kinnick, Pvt. Knowles, Pvt. Mankiewicz, Capt. Parker, Lt. Savage, Lt. Smolev. Dr. Utter.
- Eng 2B. Advanced Composition. A second year course including the ordinary forms of prose and the simpler forms of verse, with supplementary reading. 9.20, 14.20, 1.20. Bldgs. 44-B, 445-A-B, 419-B. Cpl. Agard, Cpl. Crowell, Pvt. Glass, Mr. Hall.
- Eng 3C. Senior Composition. An advanced course to be taken with the consent of the instructor by men who show some ability in writing. Each student receives individual attention, and does work adapted to his individual needs. Constant writing is demanded. As far as possible, all written work is discussed in class. 41.20. Bldg. 415-B. Dr. UTTER.
- Eng 4C. Argumentation. Practical application of the principles of argumentative composition, analysis, use of evidence, structure (brief drawing), and the rhetoric of argument. The first two thirds of the course is directed towards the attainment of clearness, precision and cogency in selection, arrangement and presentation of material, the last third towards persuasion. Lectures, text-books, briefs and arguments. Prerequisite, a first year college course in English composition. 10.20, 1.20. Bldgs. 414-C, 522, 565-B. Mr. Foog, Mr. Southwick.
- Eng 5A. American Literature. A survey course in the chief writers, types, and tendencies of American literature. Lectures, discussions, collateral reading, themes. Prerequisite, high school English. 8.20, 10.20. Bldgs. 414-C, 445-B. Mr. Holloway.
- Eng 6A. General Survey of English Literature. The history of English literature from Anglo Saxon times to the close of the Victorian era, with particular stress on the authors and periods of greatest literary and historic significance. Assigned reading of representative texts. Prerequisite, four years of high school English or its equivalent. 9.20, 41.20, 4.20. Bldgs. 414-C. 415-C Musician Boulter, Cpl. Crowell, Mr. Kinnick.

- Eng 7B. English Literature. The Romantic Period. English literature from its beginning to the death of Scott. 4.20. Bldg. 445-A. Mr. Hall.
- Eng 8B. The Victorian Period. English literature from the death of Scott to the close of the nineteenth century. For students of junior or senior standing. 8.20. Bldg. 445-A. Dr. Benham.
- Eng 9B. Shakespeare. A study of Shakespeare's development as a dramatist. Reading of selected plays. Prerequisite, a survey course in English literature and six months' active service in the American Expeditionary Forces. 8.20, 40.20. Bldg. 415-B-C. Major Northrop.
- Eng 10C. Types of Literature. Reading, analysis and discussion of the literary types; poetry, lyric, narrative and dramatic, and prose, drama, novel and short story. 9.20. Bldg. 419-A. Dr. Utter.
- Eng 11C. Pre-Shakespearian Literature. Great writers and periods down to Shakespeare. Major Northrup.
- Eng 12C. English Literature. Chivalric Literature of Europe.—Special reference to France, « The Song of Roland », « Morte d'Arthur », etc. For students of senior or graduate standing. 2.20. Bldg. 415-B. Dr. Benham.
- Eng 13C. Advanced Business Correspondence. A discussion of how business letters are made effective and practice in writing typical letters. The course is limited to students who can satisfy the instructor of their ability to write effective English and their familiarity with business organization. 41.20. Bldg. 446-B. Cpl. Rounsevelle.
- Eng 14C. Advertising Copy. A discussion of the problems of the advertising copy writer and practice in the writing of copy for national and local compaigns. 3.20. Bldg. 446-B. Sgt. Fuller.
- Eng 13B. Contémporary Literature. A study of the work of major writers in English of the present day in fiction, drama, poetry and the essay. Prerequisite, three months' active service in the American Expeditionary Forces. 41.20. Bldg. 419-A. Major Northrop.
- Eng 16A. Business English. Training in speech and writing, planned specifically for business men and those expecting to enter business. The sources of business data and their uses are explained; the fundamental principles of composition are illustrated by specimens of current business communication; and practice is given in the organization and presentation of material for business purposes. This practice work includes reports, note taking, outlines, abstracts, charts, discussions,

sales talks, letters, advertisements, and business articles. As far as possible the assignments are adapted to the future needs of the individual student, and correlated with his reading in other courses. 9.20, 40.20, 41.20, 2.20. Bldgs. 409 B, 416-A-B-C. Q. M. Sgt. BOYDEN, Sgt. LINDQUIST, Sgt. MILLER, Mr. MURPHY, Lt. STEVENSON, Cpl. TUNNER.

- Eng 17A. English for Agricultural Students. The fundamental principles of effective writing and speaking are taught in relation to the interests and activities of the farmer and the agricultural specialist. Letter writing, oral exposition, criticism, and debating are emphasized. Outlining, briefing, and note taking are treated as working devices and considerable practice is given in their use. Study of the formation of agricultural clubs. 2.20. Bldg. 415-A. Mr. Paterson.
- Eng 18A. English for Engineers. The course includes the training required for the effective use of speech in the ordinary experiences of life, such as letter writing, and training for such specific demands as note taking, the organization of data, the preparation of reports and abstracts, the making of plans, outlines and briefs, and the elaboration of these in the form of written discussions or in the form of talks and debates. Explanation is made concerning the preparation and use of slides, charts and diagrams for illustrated talks. 2.20. Bldg. 415-C. Ptt. Johnstone

FRENCH

- F 1A. Elementary French. Conversation and a little reading. All hours. Bldgs. 414-A-B-C, 412-A-B-C, 409. Lt. Batal, M. Bec, Pvt. Berberian, Asp't. Binon, Sgt. Bleynie, Soldt. Bouchet, M. Bourgogke, Lt. Cornut, Lt. de Grouchy, Capt. de Lecluse, Lt. de Marion de Glatigny, M. Dethorey, M. Foret, M. Garnier, Sgt. Day, M. Guillemin, Sgt. Herlin. Lt. Langland, Soldt. Lapaix, M. Lavoillotte, Cpte. Mackain, Sgt. Menial, Mile Monteanu, M. Noirot, Sgt. Petit, Asp't. Pingullt. M. Regnier, Pvt. Robinot, M. Rousseau, M. Savin, Pvt. Thomaides, Lt. Turner, Lt. Waltz, Miss Welles.
- F 2B. Advanced French. Advanced conversation, including review of the principles of simple reading. Prerequisite, F 1A, Elementary French, or its equivalent. 1.20, 41.20, 7.20. Bldgs. 411-B-C, 412-A-B-C, 572. Capt. DE LECLUSE, M. DETHOREY, Lt. LANGLARD, M. LAVOILLOTTE, Sgt. Petit, M. Savin, Lt. Turner.
- F3C. More Advanced French.—Fluent and accurate conversation. Reading of short texts and explanations in French. No translations. Prerequisite, F2B, Advanced French, or its equivalent. 9.20. Bldg. 411-A. M. Dethors.

GREEK

- Gr 1A. Introductory Course in Greek. A study of the declensions, conjugations, grammar and vocabulary of the Attic Greek. Prerequisite, a year of Greek advisable but not required. 9.20. Bldg. 418 B. Lt. SAVAGE.
- Gr 2B. Readings from Scleeted Authors. Study of particular works of various authors for practice in translation and for the understanding of Greek literature. Prerequisite, a knowledge of Greek grammar, and at least one year's experience in translating. 11.20. Bldg. 572. Sgt. YATES.

HISTORY

- II 1A. Modern European History. An elementary course in modern European history from the French Revolution to the present time. Conditions, political, social and economic, in France on the eve of the Revolution, events and heritage of the Revolution and Napoleonic era, development of nationalism, unification of Germany and Italy, growth of imperialism and autocracy in Germany, of democracy in Great Britan and France, and colonial expansion. Lectures, recitations, text books, readings. This course is open to all students. 8.20, 10.20, 1.20. Bldg. 413-A-B. Mr. Anderson, Mr. Jackson, Dr. Lowe.
- H 2A. History of the United States to the Present Time.—A rapid survey of the development of the United States from struggling colonies to world power, with emphasis upon the later period. This is an elementary course open to all students. 8.20, 9.20, 14.20, 2.20. Bldg. 413-A-B. Capt. Bonneville, Cpl. Hall, Dr. Riley,
- H 3B. English History from the Fifteenth Century to the Present Time. After a brief introduction the course includes a detailed study of the religious revolt; the growth of civil liberty, and the creation of parliamentary government; industrial expansion and social change; the founding of colonies and the development of empire. Due attention is given to foreign relations. 8.20. Bldg. 416-A. Dr. Lowe.
- H 4B. Growth of the French Nation. Development of French monarchy and absolutism; the ascendancy of France: second Hundred Years' War between England and France: French Revolution and Napoleon; revolutions of 4830 and 4848: Napoleon III; Franco-Prussian War; Third Republic and French democracy; colonial expansion; Dual Alliance and Triple Entente; Moroccan crisis; Balkan question; France and the world war. 40.20. Bldg. 449-A. Dr. Allen, Cpl. Swift.

- H 6C. Current History. A cross sectional view of the world today; the Peace Conference, League of Nations, territorial adjustments, reparation, social and economic problems; reconstruction in America and Europe; the Far East. A laboratory course affording training in gathering and sifting historical material from current sources, newspapers, magazines, pamphlets. Prerequisite, a general knowlodge of modern European history. 3.20. Bldg. 413-A-B. Dr. Evans, Mr. Fosten.
- H 8B. Old Testament History and Literature.— A critical study of the historical contents, literary character, and the ethical value of the Old Testament. The course will aim to combine an introduction to the modern critical method of biblical study with an appreciation of the permanent literary and spiritual worth of the Old Testament. 9.20. Bldg. 449-G. Dr. Enelow.
- H9B. History of the Jewish People. A survey of the course of Jewish history, with emphasis on the Jews' contribution to civilization. The leading events of Jewish history are studied, from the beginning to modern times, with constant reference to surrounding peoples. Stress is laid on the part of the Jews in the spiritual and ethical life of the world and on the contributions made by them to the common life. 2.20. Bldg. 419-C. Dr. Enelow.

LATIN

- Lat. 1A. Elementary Latin. Study of inflected forms and elementary Latin syntax based on standard American texts. A preparation for the reading of Caesar. 1.20. Bldg. 418-B. Lt. Replat.
- Lat 2A. Caesar.—Reading of the first four books of Caesar with special attention to forms and grammatical constructions. Prose composition based on text read. Prerequisite, a thorough grounding in elements of grammar and in inflected forms. 8.20. Bldg. 418-C. Capt. Greene.

PHILOSOPHY

- Pl 1A. Introduction to Philosophy. Problems of the external world and of the mind are considered. Attention is also given to some types of philosophical theory and to some philosophical sciences. 1.20. Bldg. 418-C. Mr. Cantrall
- Pl 2B. History of Ancient and Mediaeval Philosophy.

 Study of the leading systems of thought from the time of the early Greeks to Descartes, 14.20. Bldg, 418-C, Sgt. Blanshard.

- Pl 3C. Bergson and Contemporary Thought. The leading philosophers of the present day are considered, but special attention is given to the system of Henri Bergson and present French thought. Prerequisite, a first course in philosophy. 9.20. Bldg. 448 C. Dr. FLEWELLING.
- Pl 4B. Greek Interpretations of Life. A study of characteristic problems of philosophy in the light of Greek attitudes and ideas; Socrates and the intellectual background of fourth century Athens: Plato; Aristotle; the Stoics. Cpl. Agand.

POLITICAL SCIENCE

- PS 1A. American Government. A study of the origin and development of American political institutions. 8 20. Bldg. 418-A. Lt. Williams.
- PS 2B. Comparative Government. A comparative study of contemporary forms of government. 40.20. Bldg. 448-A. Lt. Williams.
- PS 3B. Municipal Government. A study of the origin and development and forms of city government. 44.20. Bldg. 448-A. Lt. Sadler.
- PS 4C. Theory of Government. A study of the origin and development of social force expressing itself as sovereignty. 9.20. Bldg. 448-A. Lt. Lowell.
- PS 3C. American Foreign Relations. A study of the diplomatic service, treaty making power, and contemporaneous problems of the United States as a world power. 1.20. Bldg. 418-A. Cpl. Hall.
- PS 6C. European Diplomacy 1813-1914. A study of the diplomatic background of the present war, including the Congress of Vienna, neutralization of Belgium, diplomacy of Bismarck, formation of the Triple Alliance, the Triple Entente, European rivalry in China and the Near East, Anglo-Japanese relations, the Balkan question, the occasion of the war of 1914, severance of diplomatic relations. 2.20. Bldg. 418-A. Cpl. Blalock.
- PS 7B. Introduction to Constitutional Law. A study of the leading principles of constitutional law as developed in English and American history and in judicial decisions. 3.20. Bldg. 418-A. Cpl. Blalock.

SPANISH

- Sp 1A. Elementary Spanish. Grammar; pronunciation; translation. Oral questions and answers in Spanish based on text read. Dictation; simple composition. 8.20, 3.20. Bldgs. 415-A-C, 416-C, 418-B, 419-A-C, Lt. Bailey, Pvt. Garcia, Sgt. Helbig, Lt. Martinez, Sgt. Vega.
- Sp 2B. Advanced Spanish. Thorough study of syntax; composition; letter writing; story telling; current events. Weekly paper on assigned reading. Spanish the language of the class room. Prerequisite, a fair command of spoken Spanish. 4.20. Bldg. 419-A. Sgt. Helbig, Sgt. Vega.

COLLEGE OF MEDICAL SCIENCES

Administrative Staff

Col. Ford Col. Brechemin Lt. Dowd
Director Assistant Director Supply Officer

HEADS OF DEPARTMENTS

Lt. Col. McDonald, Dentistry Major McKilllp, Veterinary

Col. Brechemin, Medicine Capt. Preston, Pharmacy

Instructors

Dentistry. — Major Bethea, Lt. Bokman, Capt. Cope, Capt. Cowart, Capt. Donlevy, Capt. Farmer, Capt. Fleischer, Major Gaskill, Lt. Henry, Lt. Hudson, Capt. Lodge, Major Morrow, Major Slade.

Medicine. — Lt. Alexander, Lt. Anderson, Lt. Appelle, Major Asnis, Lt. Barrett, Capt. Belden, Lt. Bronson, Capt. Brown, Capt. Clark, Capt. Dodd, Capt. Hamilton, Sgt. Hodgson, Capt. Kemmerer, Lt. Langston, Capt. Lowell, Lt. Morgan, Lt. Col. Riggin, Lt. Col. Schmitter.

Veterinary. — Capt. Balthaser, Major Beauman, Capt. Beecroft, Capt. Beverly, Capt. Davis, Major Udall, Capt. Underwood.

Pharmacy. - Lt. Bay, Lt. Mundem, Sgt. Waggoner.

CLERICAL ASSISTANTS

Miss Clark, Miss MacLean.

The headquarters of the departments of medicine and veterinary medicine are in building 440, formerly the headquarters of a base hospital, and space is also provided in this building for most of the didactic lectures. Building 143, formerly the operating pavilion, is given over to the department of dentistry, and building 507, a concrete floored ward 60 by 160 feet, is assigned to the departments of bacteriology and pathology. Part of building 508, similar to 507, is used for the course in physiology. The medical supply store room occupies one half of building 523; the other half is used by the department of veterinary medicine. The courses in chemistry, histology, and embryology are in buildings 569 and 571 and are under the College of Science. The laboratory work in certain departments has been handicapped by lack of equipment, but the endeavor has been made to teach the students that good laboratory work can be accomplished without elaborate equipment, and that self reliance is essential as well as the proper utilization of material at hand for improvised apparatus.

DENTISTRY

- Dent 1BC. Anesthesia. Conductive and local. The course is presented didactically and consists of lectures, quizzes, examinations and practical demonstrations. Monday and Wednesday, 10.20. Tuesday, 1.20. Wednesday, 11.20. Bldg. 145. Capt. Cowart.
- Dent 2A. Bacteriology. The course is presented didactically and consists of lectures, quizzes and examinations, No laboratory periods. 2.20. Bldg. 145. Lt. Fleischer.
- Dent 3B. Dental Pathology. The course is presented didactically and consists of lectures, recitations and examinations, 8.20. Bldg. 445. Capt. Gaskill.
- Dent 4BC. Exodontia. The course is presented didactically and consists of lectures, quizzes, examinations and practical demonstrations. Wednesday. 4.20. Bldg. 143. Capt. Lodge.

- Dent 3BC. Fracture and Splints. The course is presented didactically and consists of lectures, quizzes and examinations. Wednesday. 3.20. Bldg. 445. Capt. Gaskill.
- Dent 6A. Materia Medica and Therapeuties. The course is presented didactically and consists of lectures, quizzes, examinations, and clinical demonstrations. Friday, 8.20. Bldg. 145. Capt. Cowart.
- Dent 7AB. Operative Clinic. Clinical demonstrations on operative procedure and technique given in camp hospital. Monday and Tuesday, 3.20. Thursday 1.20. Bldg. 145. Capt. FARMER.
- Dent 8AB. Operative Lecture. The course is presented didactically and consists of lectures, quizzes and examinations. A teaching clinic has been established wherein the didactic teaching is practised. Monday and Friday, 9.20. Wednesday, 8. 20. Bldg. 145. Capt. Farmer.
- Dent 9Λ. Oral Hygiene. The course is presented didactically and consists of lectures, quizzes and exminations. 9.20. Bldg. 445. Lt. Fleischer.
- Dent 10BC. Oral Surgery. -- The course is presented didactically and consists of lectures, quizzes and examinations. 10.20. Bldg. 145. Lt. BOKMAN.
- Dent 11ABC. Prosthetics. The course is presented didactically and consists of lectures, quizzes and examinations. It covers fundamentals of prosthetic procedure. Technique laboratory. 9.20. Monday, 4.10. Thursday, 8.20, 2.20. Bldg. 145. Major Monrow.
- Dent 12BC. Radiography. The course is presented didactically and consists of lectures, quizzes, examinations and practical demonstrations in connection with clinic. Monday, 8.20. Thursday, 3.20. Friday, 40.20. Bldg. 445. Capt. Lodge.

MEDICINE

Med 1. Anatomy. — The course in anatomy includes gross anatomy, histology and embryology. The work in gross anatomy comprises three hours of didactic work per week for the first year students. It is available for first year students in the department of Dentistry also. The course in histology is divided into one hour of didactic and five hours of laboratory work per week. The course is open to first year students in the departments of Dentistry, Pharmacy and Veterinary Medicine. The work in embryology includes one hour of lecture and two hours of laboratory work perweek. A study of the human embryo and its envelopes will be taken up. Work on the early stages will be based on the chick. Monday and Friday. 8.20. Bldg. 140-A. Capt. Brown.

- Med 2. Bacteriology. The standards of the course are those required by class « A » medical schools in the United States. The class is based on the unit system, the students forming laboratory units of four men each, making their own culture media, solutions and stains, sterilizing their own glass ware, etc. Each unit is inspected weekly and the students graded on the general neatness and appearance of their laboratory, supplies on hand, work done, completeness of note books, and attendance. The students are trained in the usual bacteriological procedures, air and water contamination; complete and incomplete sterilization; the taking of nose and throat smears; the isolation of the organisms most commonly encountered (Colon-Dysentery-Typhoid Group-Pneumococcus, Meningoccoccus etc.); their identification, both by cultural characteristiss and agglutination tests, employing specific sera prepared by themselves against various antigens; in short the study of bacteriology and immunity is covered thoroughly, but from a practical standpoint. Tuesday, Wednesday, Thursday and Friday. 9.20, 12.20. Bldg. 507. Major Asnis, Capt. Clark, Capt. Dodd, Sgt. Hodgson, Lt. LANGSTON.
- Med 3. Organic and Physiological Chemistry. This course consists of didactic and four hours of laboratory work per week. Tuesday and Thursday. 1.20, 2.20, Bldgs. 140-A, 571. Lt. Morgan.
- Med 4. Pathology. The course in pathology consists of two lecture hours and four hours of laboratory work per week. Wednesday and Friday. 9.20, 10.20. Bldg. 507. Major Asnis, Lt. Barrett, Capt. Kemmerer, Lt. Langston.
- Med 5. Physiology. The course in physiology includes two hours of didactic and three hours of laboratory work. It is open to first year students in the departments of Medicine, Dentistry and Pharmacy. Monday, 9.20—11.20. Tuesday and Thursday, 8.28. Bldg. 508-X. Lt. Appelle, Capt. Dodd, Major Riggin.
- Med 6. Histology. Standards for the course are those required by class «A» medical schools in the United States Monday and Wednesday. 1.20—4.10. Bldg. 507. Major Asnis, Capt. Jefferson, Capt. Belden, Capt. Beecroft, Capt, Hamilton, Capt. Lowell.

PHARMACY

Pharmacy 1A. Materia Medica. — This course will be given didactically and consists of lectures, quizzes and examinations. 9.20, Bldg. 140. Lt. Mundem.

Pharmacy 2B. Laboratory. — Ten hours weekly devoted to pharmaceutical laboratory consisting of the manufacture of official preparations. 2.20 — 4.40. Bldg. 574. Capt. Preston, Sgt. Waggoner.

Pharmacy 3B. Pharmaceutical Arithmetic. — This course is presented didactically and consists of lectures, recitations and written examinations, instruction being mainly to familiarize students with terms used, different systems of weights used and practical experience in covering prescriptions as they would come before them in the practice of pharmacy. Monday, Wednesday and Friday. 40.20. Bldg. 140. Sgt. Waggoner.

Pharmacy 4B. Chemistry. — The course in chemistry in the department of Pharmacy consists of 5 hours recitation and lectures weekly and ten hours laboratory, both lectures and laboratory being carried on in the College of Science.

Pharmacy 3B. Theory and Practice of Pharmacy.—The course is presented didactically and consists of lectures and recitations with frequent quizzes together with written examinations, the idea being to present to the student in the short time alloted as large and complete a view of the profession as possible. The latter part of term is given to review of work previously covered. 1.20.Bldg, 140. Capt. Preston.

VETERINARY

- Vct 1. Anatomy. The course consists of rour lecture periods of one hour each and two laboratory periods of two hours each, weekly. The twelve weeks course is divided into osteology, covering a period of five weeks, arthrology, covering one week, and myology, covering six weeks. Monday, 40.20, 9.20-41.20. Thursday, 9.20, 2.20-3.20. Friday, 41.20, 2.20-3.20. Bldg. 523. Capt. Balthaser, Capt. Davis.
- Vet 2. Pharmocology and Preliminary Medicine. The course consists of lectures covering the following outline: nomenclature, pharmaceutical arithmetic, pharmaceutical operations, official preparations. Tuesday, 2.20, 3.20. Bldg. 523. Major Beauman.
- Vet 3. Physiology. The course is designed to comply with the standards of veterinary colleges in the United States, and includes a study of the normal functions of the different systems, circulatory, respiratory, etc. Lectures and recitations. Monday, 41.20. Tuesday, 4.20. Friday, 40.20. Bldg. 523. Major UDALL.

COLLEGE OF MUSIC

Administrative Staff

Mr. Robinson Lt. Dappert Lt. Robins
Director Assistant Director Supply Officer

Instructors

Pvt. Bastel, Pvt. Behrens, Sgt. Bradt, Mus. Croissant, Sgt. Fox, Pvt. Fraser, Mus. Goldblum, Lt. Greene, Mus. Guminsky, Pvt. Haines, Capt. Harnes, Mus. Hawkinson, Pvt. Hearn, Mus. Kieth, Lt. Landry, Mus. Little, Mus. McCarthy, Pvt. Miller, Pvt. Moyer, Lt. Reily, Sgt. Reynosa, Pvt. Sibley, Mus. Smith, Mr. Squire, Lt. Smith Pvt. Sterling, Cpl. Summers, Pvt. Truxell, Mr. Watters, Miss Wehe, Mr. White, Lt. Wigbels, Pvt. Wilson.

- Mus 1. Notation. In this course the rudiments of music are taught so that the student may enter Elementary Harmony, All hours. Monday and Thursday. Bldg. 740. Pvt. Bastel.
- Mus 2. Theory and Harmony. Prerequisite: A knowledge of major and minor scales, time and signatures. 9.20, 11.20, 1.20, 2.20 and 3.20. Tuesday and Friday. Bldg. 740-B. Pvt. Hearn. 9.20, 11.20, 1.20, 2.20, and 3.20. Monday and Thursday. 740-B. Mr. Squire.
- Mus 3. Elementary Violin. Examinations will be held to select pupils who will take this work. The small number of instruments on hand makes this necessary. Bldg. 740. Pvt. Behrens, Mus. Hawkinson, Pvt. Miller, Cpl. Summers, Lt. Wighels.

- Mus 9. Band Instruments. These courses are open to all students. Bldg. 740. Flute and Piccolo. Sgt. Bradt. Cornet: Mus. Croissant, Sgt. Fox. Clarinet: Mus. Goldblum, Mus. Guminsky. Trombone: Capt. Harnes, Mus. Kieth. Cornet: Lt. Landry, Sgt. Reynosa. Saxaphone: Mus. Smith.
- Mus 10. Vocal Training. All hours. Monday, Tuesday, Thursday and Friday. Bldg. 703. Lt. Greene, Pvt. Haines, Pvt. Sibley, Mr. Watters.
- Mus 12. History of Music. All hours. Wednesday. Bldg. 740. Mr. Squire.

COLLEGE OF SCIENCE

Administrative Staff

Lt. Col. Snow Capt. Rehm Lt. Freiberg
Director Assistant Director Supply Officer

HEADS OF DEPARTMENTS

Dr. Buchanan, Astronomy

Major Bramlett, Mathematics

Dr. Allen, Botany

Lt. Col. Norris, Chemistry

Lt. Avery, Geography
and Geology

Major Bramlett, Mathematics

Dr. Stradling, Physics

Dr. Williams, Psychology

Lt. Neumann, Public

Health and Hygiene

Lt. Hance, Zoology

Instructors

Astronomy. - Dr. Buchanan

Botany. — Mr. Babcock, Cpl. Burritt, Lt. Carroll, Sgt. Gratz, Sgt. Payson, Pvt. Teichman.

Chemistry. — Lt. Avner, Lt. Boughton, Sgt. Comfort, Capt. Craig, Capt. Crenshaw, Capt. Cretcher, Cpl. Fullerton, Capt. Harnes, Capt. Knox, Lt. Miller, Pvt. Mills, Cpl. Pottle, Lt. Rauth, Mr. Sellers, Lt. Senior, Pvt. Shade, Sgt. Thoms, Sgt. Watts.

Geography and Geology. — Sgt. Elson, Mr. Liusley, Pvt. Nutting, Lt. Petty, Mr. Ridgley, Pvt. Robinson, Cpl. Turman.

Mathematics. — Mr. Allen, Sgt. Anderson, Capt. Back, Capt. Bonney, Major Bramlett, Dr. Buchanan, Lt. Crum, Pvt. Dages, Lt. Fentress, Major Hart, Lt. Heath, Lt. Hedlund, Mr. Hedrick, Pvt. Hilliard, Capt. McKelvey, Mr. Marsh, Sgt. Mueller, Lt. Nelson, Lt. Pointer, Wagoner Ponder, Capt. Pride, Capt. Rehm, Dr. Whitford, Lt. Wood.

Physics. — Capt. French, Sgt. Ling, Pvt. Newport, Lt. Taylor, Sgt. Zieske.

Psychology. — Lt. Achilles, Mr. Byers, Dr. Eby, Lt. Merritt.

Public Health and Hygiene. — Lt. Anderson, Pvt. Davis, Lt. Neumann.

Zoology. — Pvt. Bayer, Capt. Bevan, Lt. Hance, Lt. Jordan, Sgt. Moser, Cpl. Muttkowki, Pvt. Simkins.

ASSISTANTS

Sgt. Altman, Sgt. Bruce, Pvt. Hays, Lt. Norris, Pvt. Pfaltz, Pvt. Weist, Pvt. Whitney.

The Science Departments of the University are grouped in the College of Science for administrative purposes. The following departments are included: astronomy, botany, chemistry, geography and geology, mathematics, physics, psychology, public health and hygiene, and zoology.

The courses offered have been planned on the basis of the four-quarter system and each course is adapted to the uses which the student proposes to make of the knowledge gained. To make this flexible without departing from accepted university standards the students registering for each course are divided into sections in which the general training will be the same, but in which special emphasis on the various parts of the subject matter will be varied to meet the demand and the teaching facilities available.

In the main there are three classes of students whose needs have been anticipated; those who need instruction in mathematics or training in a laboratory science in order to do their best work in engineering, medicine, education, agriculture or other professional courses when they return to the universities in the United States; those who desire to obtain such special instruction and practical training as may better prepare them to obtain positions as technicians or inspectors in laboratories and industrial establishments; those who wish instruction in the courses offered for their general cultural value.

Adequate space for both lecture and laboratory instruction has been planned and the necessary equipment ordered transferred from the Army depots of the Medical Department, the Chemical Warfare Service, and the Quartermasters Department.

This equipment includes for each student in the biological laboraties all essential instruments and supplies required, including a microscope with oil immersion lenses, mechanical stage and other accessories. Each laboratory is provided with sterilizers, incubators, microtomes and other useful apparatus. The chemical laboratories are similarly equipped, each student's desk being provided with the usual re-agents and glassware in addition to such apparatus as acetylene burners, water and compressed air connections, sinks and available hoods, water baths, crucibles, stills, analytical balances

and standardized volumetric apparatus. Full advantage will be taken of the location of the University on teaching geology, public health and other department courses through field work.

In addition to the reference books supplied by the general library of the University, text books already in the A.E.F. equipment or procurable in England have been ordered. It is expected that some readjustment of the instruction during the early weeks of the first quarter may be necessary owing to delay in the arrival of equipment, but the instructors have prepared for this contingency.

The courses are grouped according to the alphabetical order of the departments comprising the College. Statements of lecture and laboratory periods are on the basis of the work required each week.

ASTRONOMY

A 1A. Descriptive Astronomy. — An orderly statement of the facts about our solar system, the stars, comets, and nebulæ. 9.20. Bldg. 569-G. Dr. Buchanan.

BOTANY

- B 1A. Elementary Botany. A general study of plant life, with study of typical representatives of each important group. Emphasis on laboratory manipulation, microscopic technique and the scientific method. Lectures and laboratory. Monday, Wednesday and Friday, 8.20. Tuesday and Thursday, 8.20-40.40. Bldg. 569-J. Sgt. Payson.
- B 2A. Agricultural Botany. A study of the structure, life functions, and environments of plants in general, followed by a study of the classification, anatomy, physiology and ecology of the more important fruit, cereal and vegetable crops, including study of common weeds and poisonous plants and methods of eradication. Lectures and laboratory. Monday, Wednesday and Friday, 10.20. Tuesday and Thursday, 10.20-12.10. Bldg. 569-11. Sgt. Gratz.

- B 3B. Plant Pathology. A study of the common diseases of ordinary crops and of the organisms and other factors producing disease; the life histories of disease-producing organisms, classification, and their environmental requirements; methods of controlling or eradicating plant diseases. Lectures and laboratory. Prerequisite, B 1A, Elementary Botany, or B 2A, Agricultural Botany, or equivalent. Monday, Wednesday and Friday, 2:20-3.10. Tuesday and Thursday, 2:20-4.10. Bldg. 569-H. Cpl. Burritt.
- B 4C. Advanced Botany. Advanced work in genetics, histology, morphology, or criptogamic botany is arranged for properly qualified students provided a sufficient demand exists. Lectures and laboratory. Students admitted only after consultation with instructors. Hours to be arranged.

CHEMISTRY

- Ch 1A. General Inorganic Chemistry. A study of the principles of chemistry and the properties and uses of the simpler elements and compounds. Lectures and laboratory. 8.20-40. 40, 40.20-42.40. Bldgs. 571,575,586-A-B. Lt. Boughton, Sgt. Comfort. Capt. Craig, Lt. Harnes, Lt. Miller, Lt. Norris, Cpl. Pottle, Lt. Rauth, Pvt. Shade. Sgt. Thoms, Mr. Sellers, Sgt. Watts.
- Ch 2A. Qualitative Analysis. The course consists of a study of the methods used to separate and identify the common metals and acid radicals. It includes practice in the analysis of salts, alloys, and other substances of commercial importance. It is preceded by a short review of inorganic chemistry. Lectures and laboratory. Prerequisite, Ch 4A, General Inorganic Chemistry, or its equivalent. 4.20-3.40. Bldgs. 574, 586-A. Sgt. Comfort, Capt. Craig, Lt. Rauth, Sgt. Thoms.
- Ch 3B. Quantitative Analysis. A study of the simple methods of gravimetric and volumetric analysis; analysis of substances of unknown composition. Lectures and laboratory. Prerequisite, Ch 4A, General Inorganic Chemistry, and Ch 2A, Qualitative Analysis, or their equivalents. 8.20-40.40. Bldgs. 571, 586-B. Lt. Avner, Sgt. Comfort.
- Ch 4C. Organic Chemistry. The course covers the elementary principles of organic chemistry, attention being paid to the compounds of practical importance. The laboratory practice is devoted to a study of the preparation and properties of a few typical substances. Lectures and laboratory. Prerequisite, Ch 4A, General Inorganic Chemistry, and Ch 2A, Qualitative Analysis, or their equivalents. 8.20-10.10. Conference (Optional) 3.20. Bldgs. 571, 586-D. Cpl. Pottle, Lt. Senior.

- Ch BB. Industrial Chemistry. A study of the chemistry of water, fuels, acids, alkalies, fertilizers, petroleum oils, fats and waxes, soaps, rubber, asphalt, textiles, dyes, paper, ceramics and glass, cement and illuminating gas. Prerequisite, Ch 4A, General Inorganic Chemistry Ch 2A, Qualitative Analysis, and Ch 4C. Organic Chemistry, or their equivalents. 1.20. Bldg. 586-D. Lt. Boughton, Pvt. Mills.
- Ch 6C. Agricultural Chemistry. A study of dairy and soil chemistry, and the chemistry of food and nutrition. Lectures and laboratory. Prerequisite, Ch 4A. General Inorganic Chemistry, Ch 2A. Qualitative Analysis and Ch 4C, Organic Chemistry, or their equivalents. 40.20-42.40. Bldgs, 571, 586-C. Lt. BOUGHTON, Lt. HARNES, Pvt. MILLS.

GEOGRAPHY AND GEOLOGY

- Gy 1A. Physical Geography. A study of land forms and physiographic processes; the work of the atmosphere, surface water and underground water; processes involved in the formation and alteration of various land forms such as mountains, plains, plateaux, etc.; physiographic control of life and industries. Field trips once a week for the purpose of study of local physiography. 11.20. Bldg. 667-G. Cpl. Turman.
- Gy 2A. Commercial Geography. A study of the producing regions of the earth, conditions determining production and exchange of commodities, commercial centers of the world, with special reference to the United States, agriculture, mining, manufacturing, and commerce in modern industrial development. 41.20. Bldg. 667-E. Lt. Petty.
- Gy 3B. Industrial and Commercial Geography. Advanced Course. Study of the leading industries from world wide standpoint, with constant reference to the United States; comparative study of leading agricultural countries; mineral resources and their influence on modern industrial development; comparison of leading manufacturing nations; world commerce; routes of trade; movement of commodities. 8.20. Bldg. 667-E. Lt. Petty.
- Gy 4B. Geography of Europe. A study of the world and regional relations of the continent together with the relief and climatic controls evidenced in its political and racial development, followed by a detailed study of the law of cause and effect in its relation to the development of the people of the more important countries. Reference is also made to the geographic causes of the more important changes in the political frontiers as a result of the war. 9.20. Bldg. 667-E. Pvt. NUTTING.

- Gy 6A. General Geology. A study of the agents and processes active on the earth and the materials with which they work, followed by a brief survey of the history of the earth as evidenced by the rocks thereon. Special attention is given the local condition in numerous field trips which form an integral part of the course. 40.20. Bldg. 667-E. Pvt. NUTTING.
- Gy 7B. Economic Geology. A study of the raw materials derived from the earth; their geologic formation and associations; their distribution geographically. Among the materials studied are: coal, iron, natural gas, petroleum, copper, lead, zinc, gold, silver and building materials such as stone, cement, clay. 41.20. Bldg. 677-K. Lt. Avery.
- Gy 8B. Advanced Geology. A study of structural and stratigraphic geology, with special attention to local geology; also a short consideration of historical geology. 40.20. Bldg. 667. Pvt. Robinson.
- Gy 9C. Seminar in Field Geology. The course consists largely of field work, and embraces the careful study of local geology and the preparation of papers on the same. The class meets one each week for the presentation and discussion of papers by members of the class. Evenings. Bldg. 562.

MATHEMATICS

- M1A. Review of Secondary Mathematics. High school algebra and plane and solid geometry. 8.20, 9.20, 11.20, 2.20. Bldgs. 508-A, 583-A, 584-C. Sgt. Anderson, Pvt. Dages, Sgt. Mueller, Lt. Pointer, Wagoner Ponder.
- M 2A. College Algebra. 9.20, 41.20, 4.20. Bldgs. 583-B-C, 584-A-B-C. Mr. Allen, Capt. Back, Lt. Fentress, Lt. Hedlund, Lt. Pointer.
- M 3A. Plane Trigonometry. 8 20, 40.20, 3.20. Bldgs. 508-F, 583-A-B-C, 584-A-B-D. Capt. Back, Capt. Bonney, Dr. Buchanan, Lt. Fentress, Lt. Hedlund, Capt. Mc Kelvey, Capt. Pride, Capt. Rehm, Lt. Wood.
- M 4A. Spherical Trigonometry and Navigation. 1.20. Bldg. 583-A. Capt. McKelvey.
- M 6A. Analytic Geometry. 40.20, 2.20. Bldgs. 583-C-D, 584-D. Capt. Bonney, Lt. Crum, Capt. Pride, Lt. Wood.
- **M 7B. Differential Calculus.** 8.20, 40.20. Bldg. 584-A-С, Сарт. Rehm, Lt. Wood.

- M 8C. Integral Calculus. 9.20, 44.20. Bldg. 583-D. Mr. Allen, Capt. Pride.
- M 9C. Analytical Mechanics. An elementary course based upon the laws of motion, given in connection with a course in applied mechanics of the College of Engineering; mainly devoted to the work usually covered in statics, with merely an introduction to kinetics. 9.20 Bldg. 584-A. Lt. CRUM.
- M 10C. Higher Course in Calculus. 41.20. Bldg. 584-D. Lt. Wood.
- M 11A. Mathematics of Business. This is an elementary course in the mathematical theory of finance, investment, depreciation and life insurance. The purpose of the course is to give the student an idea of how the theory of mathematics is applied to the following phases of business: the evaluation of investments, the depreciation of bonds, public utilities, and machinery, the basis of the calculation of the premiums of life insurance, and the methods of making an evaluation of the business of a life insurance company and determining the surrender values of the different kinds of policies. Prerequisite, a knowledge of high school algebra. 3.20. Bldg. 583-D. Dr. Buchanan.

PHYSICS

- Ph 1A. General Physics. A study of elementary mechanics and heat. Lectures, laboratory and recitations. Monday, Wednesday and Friday, 40.20. Tuesday and Thursday, 40.20, 41.20. Bldg. 508-D-E-F-G. Capt. French, Sgt. Ling, Dr. Stradling and Sgt. Zieske.
- Ph 2B. Advanced Physics. Optics. Prerequisite, one year of college physics and trigonometry. 2.20. Bldg. 508-G. Sgt. Ling.
- Ph 3B. Electricity and Magnetism. A more detailed and advanced course in electricity and magnetism than is usually covered by the first year of general college physics. Prerequisite, one year of college physics and trigonometry. 2.20. Bldg. 508-E. Pvt. Newport.
- Ph 4C. Wireless and Vacuum Tubes. The discharge of electricity through rarified gases, the discharge of electricity from hot bodies with application to X-rays and wireless telegraphy and wireless telephony. Lectures and laboratory. Prerequisite, one year's work in college physics and trigonometry is necessary; a knowledge of calculus and advanced electricity and magnetism is advisable. 9.20. Bldg. 508-G. Lt. Taylor.

PSYCHOLOGY

- Psy 1B. First Course in Psychology. The course is designed for those students who desire to be introduced to the field of modern scientific psychology. It is the equivalent of the first course in psychology ordinarily offered in the sophomore year of American colleges and universities. 41.20, 1.20, 2.20. Bldgs. 569. Mr. Byers, Dr. Eby, Dr. Williams.
- Psy 2C. Applied Psychology. This course is designed for those students who desire to follow modern psychology into its various applied fields. It is of special interest to students in the fields of business, journalism, education, medicine and law. Lectures and laboratory. Prerequisite, Psy 4B, a First Course in Psychology, or its equivalent. Monday. 9.20-41.40, 3.20-4.40. Tuesday, Wednesday, Thursday and Friday, 40.20. Bldg. 569, Dr. Williams.

PUBLIC HEALTH AND HYGIENE

- Pu H 1A. Elementary Course. The course presents the scientific principles underlying modern hygienic practices and sanitary measures. The lectures are illustrated by lantern slides, demonstration models and motion pictures. Open to all students. 3.20. Bldg. 508-E. Lt. Bay.
- Pu H 2B. Sanitary Inspection Course. This course is open to students who have had sufficient instruction in elementary science to understand epidemiological problems and inspection work. 4,20. Bldg. 585-D. Lt. Neumann.
- Pu H 5A. General Physiology. An introductory course intended primarily for the general student. Lectures and laboratory. 8.20. Bldg. 508-E. Lt. Bay.

ZOOLOGY

Z 1A. Elementary Zoology. — The laboratory work constitutes the foundation of the lectures, and provides practice in dissection, the use and care of the microscope, and the writing of scientific descriptions. The anatomy, physiology, heredity and evolution of animals is considered. Lectures and laboratory. Open to all students. 8.20, 4.20, Bldg. 569-F. Lt. Jordan, Sgt. Moser, Cpl. Muttkowski.

- Z 2B. Economic Zoology. This course deals with the various parasites which are of economic importance and with the methods in present use for controlling them. Laboratory study of all available parasites. Lectures and laboratory. Prerequisite, Z 1A, Elementary Zoology, or B 1A, Elementary Botany, or equivalent.
- Z 3B. Microscopical Technique. The laboratory periods are spent in the preparation of tissues for study microscopically. The course is open only to students who intend to major in this subject on return to their respective universities or to enter medical school. Prerequisite, one year of college biology. 2.20-4.40. Bldg. 569-D. Lt. HANCE.
- Z 4B. Advanced Zoology. Work in special fields of zoology may be arranged to meet the needs of the student. Such subjects as comparative anatomy, protozoology and cytology may be taken. The course is open to qualified students on recommendation of the instructors concerned. Tuesday and Thusday. 1.20-4.10. Bldg. 569-D. Lt. HANCE, Cpl. MUTTKOWSKI.
- Z 3B. Genetics. Fundamental principles of heredity and variations as applied to the breeding of plants and animals and to the improvement of the human race. Prerequisite, one year of college zoology or botany. 11.20. Bldg. 569-E. Dr. Babcock, Lt. Hance.
- Z 7A. Agricultural Entomology. The anatomy, life cycles, habits and habitat of biting and sucking insects of importance to agriculture are studied, together with measures which are applicable to their eradication or control. Field trips form a part of the laboratory work. Lectures and laboratory. Open to all students. Monday, Wednesday and Friday, 41.20. Tuesday and Thursday, 2.20-4.10. Bldg. 569-G. Capt. Bevan.
- Z 8B. Animal Histology. The course includes laboratory studies of the structure of cells and of the primary tissues of the mammalian body, and lectures and quizzes on general histology. It is given primarily for the students of the College of Medicine, but is open to others who are qualified. Prerequisite, one year of college zoology. Monday and Wednesday. 4.20-4.40. Bldg. 569-D-E. Lt. Hange, Lt. Jordan, Sgt. Moser, Cpl. Muttkowski.
- Z 9B. Embryology. A study of fertilization and of the early stages of development. Laboratory work is based chiefly on the frog and chick. The course is given primarily for the students in the College of Medicine, but is open to others who are qualified. Lectures and Laboratory. Prerequisite, one year of college zoology. Friday, 4.20-4.40. Bldg. 569-D-E. Lt. Hance, Lt Jordan, Sgt. Moser, Cpl. Muttkowski.

FARM SCHOOL

ALLEREY, SAONE ET LOIRE

ADMINISTRATIVE STAFF

Dr. Baker Capt. Snapp and Capt. Gheen Lt. Lee
Director Assistant Directors Supply Officer

ASSISTANTS

Lt Briley, Lt. Danforth, Lt. Dennis, Capt. Ewing, Capt. Hamilton, Lt. Hayes, Pvt. Joly, Lt. MacNeal, Lt. Phipps, Lt. Radford, Lt. Roos, Lt. Sergeant, Sgt. Sloan, Pvt. Swetlik, Lt. Tachau, Sgt. Van Meter.

HEADS OF DEPARTMENTS

Capt. Hamilton, Agronomy.

Lt. Drew, Animal Husbandry.

Lt. Frank, Horticulture.

Lt. Bayne, Agricultural Economics and Sociology.

Lt. Miller, Agricultural Engineering.

Dr. Kerlin, English.

INSTRUCTORS

Agronomy. — Lt. Bailey, Cpl. Hendricks, Pvt. Hine, Lt. Hobgood, Pvt. Hungerford, Pvt. Lewis, Pvt. Loring, Cpl. Minnich, Pvt. Purington, Lt. Ritchie, Sgt. Teagarden, Pvt. Winton, Cpl. Woolridge.

Animal Husbandry. — Sgt. Bamford, Pvt. Boylin, Sgt. Brainerd, Pvt. Bretzke, Lt. Brown, Lt. Carleton, Sgt. Chittenden, Sgt. Cozzens, Pvt. Curry, Lt. Frojen, Farrier Goodnight, Lt. Holland, Lt. Ingraham, Lt.

Jones, Pvt. King, Pvt. Kofoed, Sgt. Maguire, Pvt. Metcalfe, Pvt. Morrell, Lt. Muldrow, Pvt. Osborne, Cpl. Rassman, Cpl. Sheets, Pvt. Sheldon, Sgt. Smith, Sgt. Van Dyke, Pvt. Van Gelder.

Horticulture. — Sgt. Bardin, Lt. Carey, Sgt. Evarts, Mr. Fitch, Pvt. Foster, Sgt. Harvey, Cpl. James, Sgt. Mason, Lt. Nash, Lt. Outlaw, Pvt. Peck, Pvt. Smith, Cpl. Solomons, Pvt. Warren.

Agricultural Economics and Sociology. — Pvt. Beilby, Lt. Carson, Lt. Crane, Pvt. Eke, Pvt. Heinze, Pvt. Johns, Miss Leonard, Sgt. Lilienthal, Lt. McClure, Mr. McPherson, Pvt. Oman, Cpl. Sedgwick, Pvt. Throgmorton, Sgt. Voigt.

Agricultural Engineering. — Mr. Chase, Sgt. Coleman, Lt. Phipps.

English. — Mr. Howell.

Aim of the school. — The aim of the American E. F. University Farm School is:

- To give a practical course in agriculture to those young men who may desire to become farmers upon their return to the United States.
- 2. To acquaint men who have had limited farm experience with the different branches of agriculture, so that they may better choose the kind of farming they wish to pursue and the section of the country in which to locate.
- 3. To teach the advantages, problems and opportunities of rural life and to promote an appreciation of farming as a fundamental occupation.

Entrance requirements. — Any member of the American Expeditionary Forces interested in a practical course in agriculture may enter the Farm School. There are no special educational requirements.

Return to organizations. — Applications of Farm School students at Allerey to return to their organizations at the point of embarkation will be approved by the school authorities.

Certificate. — Those students who complete the course of study in a satisfactory manner will be given the American E. F. University Farm School Certificate.

Location. — The Farm School is housed in what was formerly a ten thousand bed hospital, and lies on a large level tract of good land near the town of Allerey, Saone-et-Loire, about ten miles south of Beaune, Côte-d'Or. The surrounding country is beautiful and has splendid agricultural possibilities. It has long been known as the most famous grape growing district of France, and the cultivation of pears and strawberries has reached a high state in the vicinity.

Faculty. — The teaching faculty is composed of officers and enlisted men of the Army who have had practical experience in farming and college training in agriculture.

The farm. — The school has 250 acres of tillable land, which is being planted with farm crops.

Live stock. — The live stock of the farm includes 80 head of horses and mules, 30 of which are used for farm work and the remainder for student practice; a dairy herd of 41 animals; 50 head of hogs; 400 hens. In addition it is expected that pure bred Percheron and French coach horses, pure bred Jersey and Guernsey dairy cattle, and pure bred sheep, hogs and poultry will be loaned by live stock associations in Europe.

Equipment. — The farm is equipped with farm machinery of the most modern type, selection having been made from the machinery brought over by the U. S. Garden Service with a view to extensive crop raising for the American Expeditionary Force.

Agricultural exhibit. — An educational agricultural exhibit, illustrating types of farming in the different sections of the United States, has been prepared by the U. S. Department of Agriculture and is housed in a big fire-proof exhibition building. This shows methods of control of plant and animal disease, models of farm buildings, farm and household equipment, agricultural machinery, etc.

Class rooms. — One of the hospital units has been remodeled for class rooms and laboratory purposes.

Billeting. — The men and officers of the school are comfortably billeted in wooden barracks, formerly used as hospital wards.

Military drill. — Forty minutes each week day are devoted to military drill, except Saturday, when military inspection will occupy two hours.

Assembly. — On two evenings of each week the student body meets for a thirty minute assembly. Some of the most able men in Europe and in the United States have been secured as speakers. The addresses are to help men to choose their life work, gain a more complete understanding of America's relationship to international problems, and comprehend more fully the meaning of citizenship.

Student organization. — Two evenings a week are given over to club meetings, Dairy Club, Poultry Club, Fruit Club, Beef Club, etc. These are student organizations with student officers who are responsible for developing their own programs.

Recreation. — Two hours a day are available for recreation. Competent physical directors and coaches are at the school. Men with ability to entertain are given full opportunity to exercise their talents.

COURSES OF STUDY

AGRONOMY

Soils. — This is the basis for all work in allied subjects. Soils are considered as they are of interest to the farmer as he is interested in locating his farm, in planning his cropping system, in utilizing soil moisture, in maintaining proper soil conditions and conserving fertility. In the practical work opportunity is given to study different soil formations, the result of late and early plowing, the effect of mulching and rolling, etc.

Fertilizers and Manures. — The soil is here considered as the "bank of the agricultural world", and the possible profits and losses are discussed. Chemistry is only touched upon, but the crops which are good or bad for the soil are dealt with, and the possibility of balancing them by a system of rotation is considered. Green manure crops are considered; animal manure is discussed under such headings as Value, Ways of Handling, Method of Applying, etc. The advisability of using chemical fertilizers in different sections of the United States is discussed and suggestions given for the buying of mixed and unmixed fertilizers. Fertilisers are mixed in the laboratory as they are on the farm.

Field Crops. — The class room work in field crops covers such points as soil and climatic requirements of different crops; preparation of seed beds; time, rate and method of seeding; plant food requirements; cultivation of growing crops and machinery used on cultivation; harvesting methods and state of

maturity for harvesting; storing crops; diseases of different crops. The practical work consists of treatment of seed for smut and other fungous diseases; germination tests; identification of seeds; outdoor work, such as planting and cultivating of crops.

ANIMAL HUSBANDRY

Types and Breeds. -- This study gives the beginners in agriculture the elementary and most important facts pertaining to the various types and breeds of horses, mules, beef and dairy cattle, hogs and sheep. It is supplemented by actual farm experience with the school stock. In the latter part of the course stock judging receives much attention.

Feeding and Management. — The common feeds are considered as to their value to animals, both in nutriment and as an aid to condition and cost in the local market in relation to the actual value. The chemistry of digestion is slightly touched upon. In the work of balancing rations only such feeds as are available on the average farm or in the local market are considered; feed samples are available for identification. During the period of this study opportunity is given for all men to have a band in the feeding and management of the school animals.

Dairying. — This study deals with the breeds of dairy cattle, selection of cows and bulls, and breeding and feeding with special reference to dairy production. Special attention is given to laboratory work in which milk is tested, butter made and judged, and pasteurization studied.

Poultry. — This study includes a discussion of poultry breeds and types of chickens, ducks, geese and turkeys; poultry house construction; management; diseases; incubation; breeding; feeding; care of chicks and marketing. This course is of value to students who have handled poultry as well as to those who contemplate going into the business of poultry keeping.

HORTICULTURE

Vegetable Gardening. — The class work for this study covers plant propagation and cultivation; seed testing; preparation and management of seed bed; hot beds and cold frames; common diseases and insects and the means of combatting them; the culture of potatoes, cabbage, onions, tomatoes and beans, and the principles of storage of vegetables. The laboratory work takes up construction of hot beds and cold frames, the testing and identification of seeds, and the making of sprays. A special study in the field is made of root systems of vegetables. Students have the opportunity of getting actual experience in field work on the school farm.

Fruit Growing. — The class work in fruit growing includes lectures in propagation of stock in the nursery. Students do grafting and budding and make grafting wax. Attention is given to varieties and to precautions to be observed in buying fruit trees, bush fruits, vines and plants, as well as to the laying out, setting and care of orchards, vineyards and small fruit farms. Pruning and spraying receive all possible attention and demonstrations are given in orchards and vineyards of the neighborhood. Lectures and demonstrations are given on picking, packing and storage of fruit.

FARM EQUIPMENT

The school has a large selection from the farm equipment which was sent over from the United States when plans were made for the Army to grow its own food. This farm equipment is studied both in class room and in practical work. The latter takes the form of operating and taking apart and repairing such machines as farm tractors, mowing machines, gas engines, and reapers. This is supplemented by the work done by the men in their share of the farm labor. The lecture work covers kinds of equipment, housing, depreciation, and amount of machinery needed.

ECONOMICS AND SOCIOLOGY

Farm Management. — This subject involves a study of correlation of the different farm enterprises in regard to labor supply and farm income; comparison of specialized and intensified farming with diversified farming; keeping farm records and accounts; farm planning; systems of crop rotations for different types of farms; investment in buildings and machinery; selection and location of the farm from the standpoint of having a profitable business and a suitable environment in which to live.

Co-operation and Marketing. — The needs and advantages of co-operation are emphasized, and fundamental principles are considered from the standpoint of the individual and of the group, and the exact steps necessary to organize for co-operation. The subject of marketing is taken up, starting with a brief summary of the whole field and then applying it to towns, groups and individuals.

Agricultural Geography. — This study gives a comprehensive view of the possibilities of different kinds of farming as carried on in different sections of the United States. Soil formations, rainfall, length of growing season and temperature are taken up as they affect the farmer and his crops. New movements in agriculture are studied with a discussion of the lands

still left undeveloped in the United States. World conditions are also touched upon. Standard geographies and current publications form a list of reference books.

Rural Sociology. — This study touches on the changes and distribution of the rural population, the balance between rural and urban wealth, the present rural problem and some possible agencies in the solution of this problem. During the first week the classes are formed into a Rural Community Club, after which they are conducted in that form with the president presiding and introducing the instructor or some other speaker. Talks and discussions are along such lines as Agricultural Colleges, How to Use the Extension Service, the Function of the Grange, the Rural Church, the Selection of an Agricultural Library, Rural Education, etc. The class considers itself a rural community dealing with rural problems.

SHOP WORK.

Carpentry. — For this work extra buildings are furnished so that most of the work can be of a shop type for which tools are available. The men taking this study are expected to make a great many things which are used on the farm such as « A » shaped hog-houses, hen houses, hand trap nests, sand sieves, etc. Some of the work necessitates the making of plans with emphasis on exactness in drafting. A few talks are given on such subjects as Strength of Material, Plan Making, etc.

Blacksmithing. — Forges are available and the work will take much the same practical line as outlined under the course in carpentry.

POST AND DIVISION SCHOOLS

The Post and Division Schools connected with the American E.F. University have two distinct classes of work. The Post School offers part time school work for those men on duty with the University. The Division School is intended for full time students who are not qualified to enter the University classes.

The Division School was started April 7th, with vocational courses and academic and commercial subjects of high school grade. It was established for those men who were sent here for University work, but who lacked the educational qualifications for entrance. In addition to these, many college men have registered for one or two commercial or vocational classes. The Division School is used also by the College of Education for observation classes.

When the Post School was started, every man on the post was required to fill out a questionnaire stating his previous education, vocational experience, future plans, and subjects in which he was most interested. The men who expressed a desire to take school work were divided into three groups. Arrangements were made so that those who were high school graduates could get off from work for an hour or two a day to take one or two of the regular courses offered in the University and a similar arrangement was made for those who had finished the elementary school, to take courses offered in the Division School. For men of the third group, those who had not finished elementary school, special classes were started in English, arithmetic, and citizenship.

Those men who were suspected of being unable to read and write English were sent by their commanding officers to be tested by a group composed of most of the instructors in the College of Education and in the Post and Division School. They were tentatively placed in their classes on the basis of this test, and were required to attend school from 1:20 to 4:20, five days a week.

In addition to these courses for illiterates, classes have been started in arithmetic and in English for more advanced elementary school pupils. One instructor is meeting a group of firemen in their own building for work for an hour a day in business correspondence and penmanship.

The Post School is used also by the College of Education for observation classes.

ADMINISTRATIVE STAFF

Major Banks Lt. Lester Lt. Lester
Director Assistant Director Supply Officer
Mr. Stark, Supervisor of Instruction, Cpl. Love, Chief
Clerk

DIVISION SCHOOL

Mr. Davis, Principal.

Mr. Laird, Head of Commercial Department.

Mr. Bowle, Assistant Head of Commercial Department.

Mr. Sadler, Head of Vocational Department.

INSTRUCTORS

Academic Department. — Mr. Baker, Sgt. Black, Sgt. Boyden, Mr. Brown, Sgt. Chase, Cpl. Gambrell, Mr.

Highsmith, Pvt. Johnstone, Pvt. Kocher, Pvt. Lindberg, Pvt. McConaughy, Pvt. Miller, Pvt. Moore, Lt. Odom, Lt. Schlosser, Sgt. Walbron, Mr. Wisman.

Commercial Department. — Pvt. Anderson, Mr. Bowle, Lt. Dalton, Mr. Davis, Lt. Eads, Sgt. Foley, Pvt. Oser, Mr. Laird, Pvt. Reaves.

Vocational Departments. — Lt. Berkel, Lt. Bird, Lt. Black, Pvt. Bortz, Lt. Burks, Pvt. Chilcoat, Lt. Conover, Sgt. Coyle, Lt. Deal, Lt. Dunham, Cpl. Farr, Sgt. Hall, Capt. Heath, Lt. Iverson, Cpl. Lester, Capt. McElhiney, Lt. McWhorter, Sgt. Mohne, Cpl. Parent, M. E. Rowland, Pvt. Spivey, Pvt. Symonds.

ASSISTANTS

Sgt. Buck, Sgt. Buckstaff, Cpl. Eddingfield, Sgt. Groves, Pvt. Hart, Pvt. Hoover, Lt. Hopewell, Pvt. Howe, Pvt. Hunt, Sgt. King, Pvt. Krueger, Sgt. Littrell, Cpl. Love, Lt. Murphy, Miss Pierce, Sgt. Shea, Reg. Sgt. Maj. Porter, Lt. Raymond, Cpl. Kolp, Pvt. Rogan, Pvt. Sahli, Sgt. Simonds, Sgt. Storey, Lt. Smolev, Sgt. Thompson, Maj. Wolfford.

CLASSES IN DIVISION SCHOOLS

ACADEMIC COURSES

Subject		Instructor	
English	4	Cpl. Gambrell.	
»	2	Mr. Brown.	
ÿ	3	Lt. Odom.	
W	Commercial	Sgt. Boyden.	
»	Vocational	Pvt. Johnstone.	

Subject	Instructor
Latin	Pvt. Lindberg.
French 1	Sgt. Walbron.
Algebra 1	Sgt. Black.
» 2	Cpl. Gambrell.
Geometry 1	Mr. Highsmith.
» 2	Lt. Schlosser.
» Solid	Lt. Schlosser.
Trigonometry	Lt. Schlosser.
General Science	Pvt. Moore.
Physics	Pvt. Miller.
Chemistry	Pvt. Moore.
History, American	Pvt. McConnaughy.
» European	Mr. Wisman.
Economics	Pvt. Kocher.

COMMERCIAL COURSES

Arithmetic		Lt. Hopewell.
»		Sgt. Groves.
Bookkeeping		Lt. Dalton.
»		Sgt. Foley.
»		Sgt. Buckstaff.
Typewriting		Mr. Davis.
»		Pvt. Hoover.
»		Pvt. Reaves.
»		Cpl. Eddingfield.
»		Miss Pierce.
Penmanship		Lt. Dalton.
Commercial	Law	Lt. Hopewell.
Office Practi	ce	Mr. Laird.
Shorthand, E	Elem. (Gregg)	Lt. Smolev.
»	»	Pvt. Anderson.

Subject		Instructor
Shorthand, Ele	em. (Gregg)	Sgt. Porter.
))))))	Cpl. Kolp.
))))	Pvt. Oser.
))	»	Sgt. Littrell.
))))	Sgt. King.
Review & Dict	ation	A.F.C. Bowle.
))))	(Pitman)	Mr. Laird.
	, ,	
	VOCATION	NAL COURSES
Auto Repair and	d Operation	Lt. Iverson.
))	»	Capt. MeElhiney.
»	»	Lt. Murphy.
»	»	Lt. Blackall.
»	»	Sgt. Shea.
Auto Starting,	Lighting	
& Igniti	ion System	Lt. Burke.
»	»	Sgt. Coyle.
))))	Sgt. Stanford.
))))	Cpl. Alexander.
>>	»	Pvt. Hewe.
Gas, Gasoline		Lt. Black.
Engine Operation		M.E. Rowland.
		Pvt. Hunt.
		Cpl. Farr.
Care & Operation	on of Steam	Lt. Raymond.
Boilers & E	ngines	M. E. Rowland.
		Cpl. Farr.
Shop Shetching	g, Mach.	Cpl. Parent.
Drawing an	~	Lt. Dunham.
Elec, Wiring fo	or Motors,	
Generators d	& Lights	Cpl. Lester.

Subject

Instructor

Wire Telegraphy Wireless Telegraphy

Telephone Installation and

Repair

Armature Winding &

Repair

Carpentry and General

Wood Work

))))

»·

Surveying

))

Airplane Repair Shop Mathematics Lt. Berkel.

Lt. Berkel.

Capt. Heath.

Cpl. Lester.

Lt. Deal.

Lt. Bird.

Sergeant Buck.

Lt. Conover.

Private Simons. Lt. McWhorter.

Private Symonds.

Private Bortz.

POST SCHOOL

Lt. French, Associate Principal Lt. Scott, Associate Principal (In charge of classes for negroes)

INSTRUCTORS

Mr. Anderson, Mr. Baker, Miss Barton, Sgt. Black, Mr. Brown, Lt. Cundiff, Mr. Davis, Lt. Eads, Cpl. Hunter, Pvt. Kocher, Mr. Laird, Mr. Lackey, Pvt. Lindberg, Mr. Marks, Pvt. Miller, Mr. Moore, Lt. Odom, Cpl. Register, Mr. Tilroe, Mr. Waller, Mr. Wisman.

ASSISTANTS

Pvt. Alston, Sgt. Maj. Artis, Cpl. Aynes, Pvt. Bazarth, Cpl. Brown, Pvt. Bullard, Pvt. Bush, Sgt. Burnseed, Pvt. Conley, Pvt. Cook, Pvt. Cooper, Pvt. Degnan, Pvt. Dobbs, Pvt. Evans, Sgt. Greene, Sgt. Gregor, Pvt. Hall, Sgt. Hall, Capt. Harris, Capt. Hoover, Pvt. Johnson, Cpl. Keller, Cpl. Mayle, Pvt. McElwain, Pvt. Mikesell, Cpl. Mott, Pvt. Neffendorf, Pvt. Norris, Pvt. O'Donnell, Cpl. Poppelmeyer, Pvt. Robinson, Pvt. Sharp, Pvt. Smith (Bruce S), Pvt. Smith (Clayton H), Sgt. Shaffer, Cpl. Sparks, Pvt. Springer, Pvt. Strayer, Cpl. Swift, Pvt. Taylor, Pvt. Warren, Sgt. Williams, Pvt. Wilson, Pvt. Wroolie.

CLASSES IN POST SCHOOL

NOTE: Unless otherwise stated, all Post School classes are in reading, writing, arithmetic, geography and citizenship from 1:20 to 4:10 P.M., five days a week.

NATIVE BORN WHITES

	Class	Instructors	Bldg.
1	Elementary	Mr. Lackey	563 A
	»	Sgt. Burnseed	>>
2	" "	Cpl. Sparks	508
	»	Pvt. Bazarth	>>
	»	Pvt. McElwain	>>
3))	Pvt. Strayer	508
))	Cpl. Keller	»
	»	Pvt. Lindberg)
	I	FOREIGN BORN WHITES	
	Class	Instructors	Bldg.
0	Elementary	Mr. Tilroe	508
	»	Capt. Harris	»
1))	Mr. Anderson	506
	»	Pvt. Mikesell	»
2	»	Pvt. Springer	506
	»	Sgt. Schaffer	»
3	»	Miss Barton	506
	»	Mr. Lawless	»
4))	Mr. Baker	508
	»	Cpl. Aynes	»
		MISCELLANEOUS	
	Class	Instructors	Bldg.
5	Elementary 3 hi	rs. Capt. Hoover	508
	»	Pvt. Wilson	»

Pvt. O'Donnell

))

Class		Instructors	Bldg.
Arithmetic	4 hr.	Sgt. Williams	579 A
English	4 hr.	Sgt. Black	579 A
Business (Corres-		
pondence	4 hr.	Lt. Eads	4th Area Fire
			Dept. Bldg.

NEGROES

	Class	Instructors	Bldg.
O-a	Elementary »	Mr. Marks Pvt. Kocher	669 A »
O-b	» »	Pvt. Hull Pvt. Taylor Pvt. Smith	583 B 669 »
О-с	» »	Pvt. Wroolie Cpl. Swift Cpl. Poppelmeyer	584 C 669 A »
1-a))))	Pvt. Bullard Cpl. Mott Pvt. Bush	584 D 669 F »
1-b	» »	Pvt. Johnson Pvt. Kocher Pvt. Neffendorf	669 J » L » L
1-с))))))	Pvt. Dobbs Sgt. Hall Cpl. Brown	669 » »
2))))))	Pvt. Alston Pvt. Cook Pvt. Sharp Pvt. Conley	» 672 E » »

		COURSES OF STUDY	131
	Class	Instructors	Bldg.
3-a	Elementary	Lt. Cundiff	565 A
3-b	»	Mr. Brown	667 J
4 •a	»	Pvt. Degnan	575 A
	»	Pvt. Robinson	669
	>>	Sgt. Gregor	»
4-b	»	Mr. Waller	585 C
4-c	»	Sgt. Green	513
	,)	Pvt. Taylor))
	»	Pvt. Warren	»
5-a	»	Mr. Wisman	516 A
	»	Pvt. Smith	»
	»	Sgt. Black	»
5-b))	Cpl. Register	518 B
5-c	»	Sgt. Artis	584 B
))	Pvt. Norris	577 A
	»	Pvt. Cooper	577 A
6 - a))	Mr. Moore	585 D
6-b	»	Pvt. Miller	584 A
	»	Cpl. Mayle	584 B
	»	Pvt. Evans	»

Cpl. Hunter

Lt. Odom

7-a

7-c

))

))

580

583 C

THE STAFF DIRECTORY

Abbott, 2nd Lt., Edmund Quincy.

A. B. Harvard, 1906. Special Agent, Mutual Benefit Life Insurance Co. 20 John St., Worcester, Mass. Head of department of insurance and salesmanship, College of Business.

Achilles, 1st Lt. Inf., Paul S.

Instructor in psychology, College of Science.

Achorn, 1st Lt. F.A., Erik,

A. B. Bowdoin, 1917. Assistant in history, College of Letters.

Adams, 470950 Pvt., George Walker.

Salesman, Rand McNally & Co., Chicago, Ill. 3009 Eastern Ave., Baltimore, Md. Instructor, College of Business.

Adams, 4290270, Sgt. 4/c. Joseph Taylor. Hotel Clerk, Manassas, Va. Clerk, Office of Registrar.

Adams, Capt. Inf., Walter F.

Bellows Falls, Vermont. Commanding Officer, Provisional Regiment No. 20, Allerey.

Adler, 2nd Lt. F.A., Samuel.

B. S. Cornell, 4910. Head of Bookkeeping Department, High School, Far Rockaway. N. Y. 914 East 45th St., Brooklyn, N. Y. Head of department of accounting, College of Business.

Agard, 1675958 Cpl., Walter Raymond.

A.B. Amherst, 1915. Instructor in Greek, Amherst. Amherst, Mass. Instructor in English, College of Letters.

Agnew, 2nd Lt. Engrs., Prentiss Boyd.

B.S. in E.E., Mississippi Agricultural and Mechanical College. Bell Telephone and Telegraph Co. Baldwyn, Miss. Instructor in electrical engineering, College of Engineering.

Alaux, J. P.

Division of design, Bellevue.

Alexander, 1st Lt. M.C., Horace K.

M.D. University of Nashville, 1909. Assistant, Medicine and Pediatrics, Vanderbilt University. Instructor, College of Medical Sciences.

Alexander, 783174, Cpl., Young Charles.

Ardmore, Okla., Instructor, College of Engineering.

Allen, Beverly S. (A.E.C.).

A.B., A.M., University of California; Ph. D. Harvard. Instructor in English, College of Letters.

Allen, 1st Lt. Inf., Chester.

University of Wisconsin. Assistant to Dean, Extension Division, University of Wisconsin. Milwaukee, Wis. Assistant Director, College of Engineering.

Allen, Ezra (A.E.C.)

Ph.D. University of Pennsylvania. School of Pedagogy, Philadelphia. Head of department of botany, College of Science.

Allen, 1st Lt. Inf., Frederick Murdock.

Columbia University. Assistant to Superintendent State Road Construction. 1214 Main St., Peekskill, N.Y. Instructor in civil engineering, College of Engineering.

Allen, Freeman H. (A.E.C.).

A.B. Wesleyan, Illinois, 4895, Ph.D. 4910. Professor at Colgate University. *Instructor in history, College of Letters*.

Allen, Joseph (A.E.C.)..

A.B., A.M., Harvard University. Associate Professor of Mathematics. College of the City of New York. *Instruc*tor in mathematics, College of Science, and Cadet College.

Alston, Pvt., Richard A.

Clerk, Farm School, Allerey.

Alter, 2nd Lt. Inf., Samuel Guy.

A.B. Bucknell University, 4916. Fidelity Title Insurance Co., Pittsburg, Pa. 661 Forest Avenue, Bellevue, Pa. *Instructor*, College of Business.

Altman, 4483820 Sgt., Gilbert.

B.S. Chicago University, 1903. Chemist, U.S. Experimental Station, Honolulu. 5833 Michigan Ave., Chicago, Ill. Instructor in chemistry, College of Science.

Altman, Sgt., Herman.

Salesman. 4648 N. Hutchinson St., Philadelphia, Pa. Instructor, Department of Citizenship.

Anderson, 3441976 Pvt., Eric Leonard.

LL. B. Valparaiso University, 4915; LL.M. Webster College of Law, 4948. Attorney at Law, Swift and Co., Chicago, Ill. Dixon Ave. & Main St., Dubois, Pa. Instructor, College of Business.

Anderson, 1st Lt. M.C., Frank A.

Health Officer, Contagious Diseases Division, Chicago Health Department. Construction Officer, College of Medical Sciences.

Anderson, 1st Lt., Frank E.

Instructor in public health and hygiene, College of Science.

Anderson, Frank Maloy (A.E.C.).

A. B. University of Minnesota, 1894; A.M. University of Minnesota, 1896. Professor of history, Dartmouth College. Hanover, N.H. Instructor in history, College of Letters.

Anderson, 476004 Sgt., Herschel Gillespi.

Central Normal College, Indiana. Superintendent Schools, Franklin Grove, Ill. Gwynneville, Ind. Instructor in mathematics, College of Science.

Anderson, Logan M. (A.E.C.).

Kansas State Normal, Prin. Grade School, Columbia, Kans. Instructor, Post School.

Andrews, Pvt. Joseph Y.

Licensed Architect. Instructor in Architecture, College of Fine and Applied Arts.

Annis, Ima Marjorie (A.E.C.).

Simmon's College, Boston, Mass., Saratoga Springs, N. Y. Secretary, Gollege of Engineering.

Appel, 1st Lt. Inf., Vallee Orville.

Ph.B. University of Chicago, 1911; J.D., 1914; LL.B. Harvard University, 1914. Attorney at Law. North Shore Hotel, Evanston, Ill. Instructor, College of Law.

Appelle, 1st Lt. M.C., C. George.

M.D. University of Illinois. Faculty of College of Medicine, University of Illinois. Chicago, Ill. *Instructor*, *College of Medical Sciences*.

Archbald, Capt. Inf., Hugh.

A. B. Yale College, 4903; E.M. Columbia University School of Mines, 4907. Independent engineer. Scranton, Pa. Instructor in mining engineering, College of Engineering.

Arnold, 3753322 Pvt., Waldo Robert.

University of Wisconsin. Editor « The Milwaukee Journal ». Kiel, Wis. Instructor, College of Journalism.

Arrowsmith, 1st. Lt. F.A., George M.

Instructor in vocational engineering, College of Engineering.

Arthur, 1st Lt. F.A., Norman.

LL.B. Detroit College of Law, 1914. School principal, Detroit, Mich. 190 Seward Ave., Detroit, Mich. Supply Officer and Instructor, College of Education.

Artis, Regt. Sgt. Maj., Lionel F.

Butler College, Indianapolis, Ind., 1 yr. University of Chicago, 1 yr. Y.M.C.A. Secretary, Indianapolis, Ind. Instructor, Post School.

Asnis, Major M. C., Eugene J.

M. D. Medico-Chirurgical College, 1898. Professor of Pathology and Bacteriology, Temple University. « The Hermitage » Conshohocken, Pa. *Instructor*, *College of Medical Sciences*.

Atkinson, A. Francis (A. E. C.).

Notre Dame of Maryland. Doylestown, Pa. Secretary, College of Letters.

Atkinson, Sgt., Howard S.

University of Pennsylvania. Beaux Arts, New York. Instructor, College of Fine and Applied Arts.

Avery, 1st Lt. Engrs., William Watson.

A. B. University of Colorado, 1911. Quarry Superintendent, Salida Granite Co., Salida, Col. Lake City, Col. Head of department of geography and geology, College of Science.

Avner, 2nd Lt. San. C., Jules.

McGill University, 4914; University of Chicago, 4916. Chemist, Merrimac Chemical Co., Boston Mass. 20 Homestead St., Roxbury, Mass. Instructor in chemistry, College of Science.

Babcock, Major C. A. C., Franklin.

Cape Elizabeth, Maine. Billeting Officer in Beaune.

Babcock, Ernest B. (A.E.C.).

BS., M.S., University of California. Instructor in botany, College of Science.

Bach, 1711996 Sgt., Adolph Jr.

C. E. Lehigh University, 1917. Bethlehem Steel Co. 4th St., Bayside, L. I., N. Y. Instructor in civil engineering, College of Engineering.

Back, Capt. Inf., Roscius H.

Washington State College of Engineering. Instructor in mathematics, College of Science.

Bacon, Army Field Clerk, Herbert Holden.

Bacon Lumber Company, Indianapolis, Ind. 2547 Park Ave., Indianapolis, Ind. Glerical assistant, College of Agriculture.

Bailey, 1st Lt. F. A., Joe Ritchey.

University of Louisiana, 1915. The Texas Company, Oil Refinery. Denton, Texas. *Instructor in Spanish, College of Letters and Cadet College*.

Bailey, 2nd Lt. Inf., Richmond G.

B. S. Alabama Polytechnic Institute, 1914. County Agent. Instructor, Farm School, Allerey.

Baird, 1270753 Cpl., David Lambertson.

C. E. Lehigh University, 1915. Testing engineer, N. Y. Steam Co. Freehold, N. J. Assistant, College of Engineering.

Baker, Elizabeth (A. E. C.).

A. B. University of Wisconsin, 1915. Farm Manager for the New Jersey State Reformatory for Women. Oconomowoc, Wis. Instructor in rural economics and sociology, College of Agriculture.

Baker, Capt. Inf., Harry A.

Decora, Iowa. Commanding Officer Provisional Regiment, No 12.

Baker, Herbert J. (A. E. C.).

B. S. Massachusetts Agricultural College, 4911. Director, Extension Service Com. Agricultural College. Director, Farm School, Allerey.

Baker, Orvie Eustace (A. E. C.).

A. B. Southwest Baptist College, 1895; A. M. Chicago University, 1913; B. D. Newton Theological Institute. Professor of history, Shurtleff College, Bearden, Ark. Instructor, College of Education and Post and Division Schools.

Bakewell, John (A. E. C.).

A. B. University of California, 1893; A. D. G. F. Ecole des Beaux Arts, 1901. Bakewell & Brown, Architects. 2831 Telegraph Ave., Oakland, Cal. Instructor in architecture, College of Fine and Applied Arts.

Ballard, 1753676 Regt. Sgt. Maj., John William.

B. C. S. (Cum Laude) New York University, 1916. Instructor in economics, University of North Dakota. 246 Central Park, Rochester, N. Y. Instructor, College of Business.

Ballard, 1st Lt. Inf., Rex J.

Ph.B. University of Wisconsin, 4916. News Staff « Findlay Morning Republican ». Findlay, O. Instructor, College of Journalism.

Balthaser, Capt. V. C., Harry B.

D. V. M. University of Pennsylvania, 4913. Practicing veterinary medicine. Ephrata, Pa. Instructor in veterinary medicine, College of Medical Sciences.

Bamford, 1269557, Sgt. 1/c, Thomas.

University of Illinois. Instructor, Farm School, Allerey.

Bangs, 1st Lt. M. T. C., Edward G.

B. S. University of California, 4914; M.A. 4915. Building Inspector, University of California, 432 9th St., Oakland, Cal. Instructor in architecture, College of Fine and Applied Arts.

Banks, Major F.A., L. Frazer.

A. B. University of Colorado, 4911: George Peabody College for Teachers, 4916. Principal Ensky II gh School, Birmingham, Ala. Director, Post and Division Schools.

Bardin, 1264944 M. E. A. S., Almon D.

Cornell University, 4 yr. J. J. Kelley's School, 2 yrs. Tree surgeon. *Instructor in horticulture*, Farm School, Allerey.

Barnes, Lincoln Wade (A. E. C.).

B. S. Colorado Agricultural College, 1918. Boys, & Girls, Clubs, Extension Service, Colorado Agricultural College. 618 So. Meldrum St., Ft. Collins, Col. Assistant, College of Agriculture.

Barnes, Nathaniel W. (A. E. C.).

A. B. Columbia University, 4903. A. M. 4905. Assistant Professor, University of Chicago. *Instructor in English*, College of Letters.

Barnum, Major QMC., F. E.

128 Truman Avenue, Salt Lake City, Utah. Disbursing Officer.

Barrett, 1st Lt. M. C., Stanton H.

M. D. University of Nashville, Assistant in bacteriology University of Nashville. *Instructor*, *Gollege of Medical* Sciences.

Barstow, Ralph Merrill (A. E. C.).

Sales manager, Todd Protectograph Co.. Rochester, N.Y. 458 Meriman St., Rochester, N. Y. Instructor, College of Business.

Barton, Ida Mary (A. E. C.).

A. B. Wilson College, A. M., 1894. Head Examiner of Mathematics, University of State of New York. 328 Hudson Ave., Albany, N. Y. Instructor, College of Correspondence and Post School.

Basherov, 2826014 Pvt. 1/c, Samuel.

B. S. Wisconsin College of Agriculture, 4916. In charge of teaching and extension work in agriculture, Mt. Lake High School, Mt. Lake, Minn. Agricultural Hall, Madison Wis. Instructor in rural economics and sociology, College of Agriculture.

Bastel, 2431348 Pvt. 1/c., Frederick L. E.

Oberlin College. Teacher, Oberlin High School. 2629 E. 421st St., Cleveland, Ohio. *Instructor, College of Music.*

Batal, Lt. Georges P. M., Mission Militaire Française.

Instruction Secondaire, Lycée de La Rochelle, La Rochelle, France. Instructor in French, College of Letters.

Bay, 1st Lt. M. C., Percy Albert.

M. D. University of Pennsylvania, 4917. Physician. Muncy Valley, Pa. Instructor in public heatth and hygiene, College of Science.

Bayer, 1660767 Pvt., Abraham Harry.

B. S. Michigan Agricultural College, 4917, 222 E. Main St., New Britain, Conn. Instructor in zoology, College of Science.

Bayne, 1st Lt. Inf., Thomas L. Jr.

B. S. North Carolina Agricultural and Engineering College, 4944. Principal, Farm Life School, Lillington, N. C. Head of department of rural sociology, Farm School, Allerey.

Beadle, 2nd Lt. Inf., Walter Jay.

Massachusetts Institute of Technology 4913-47. Engineer, National Aniline and Chemical Co., Marcus Hook, Pa. Lima, N.Y. Instructor in mechanical engineering, College of Engineering.

Beauman, Major V.C., Harry G.

D.V.M. Kansas City Veterinary College. Farmer. 2327 Troost Ave., Kansas City, Mo. Instructor in veterinary medicine, College of Medical Sciences.

Bec, Maurice.

M.A. University of France, 1899. Professor at Chaptal College, Paris. 7, Place de Clignancourt, Paris, France. Head of department of French, College of Letters.

Bechlem, 2nd Lt. Engrs., Alfred William.

B.S. in E.E. University of Wisconsin. Designing—Mechanic & Electric, Panama Canal. The Dalles, Ore. Instructor in electrical engineering, College of Engineering.

Beckman, Fred William (A.E.C.).

Ph. B. University of Iowa, 1897. Professor of agricultural journalism, Iowa State College, 412 Ash Ave., Ames, Ia. Instructor, College of Agriculture.

Beecroft, Capt. M.C., Maurice Bryan.

M.D. Albany Medical College, 1913. Instructor Albany Medical College. Schaghticoke, N. Y. *Instructor*, *College of Medical Sciences*.

Behrens, 2854398 Pvt., Harry R.

B. Mus. Chicago Musical. Professor of violin and theory, University, Tiffin, O. 530 W. 9th St., Davenport, Ia. Instructor, College of Music.

Beilby, Pvt. 1/c., Smith G.

B S. Cornell University. High School Teacher. Instructor, Farm School, Allerey.

Belden, Capt. M. C., Louis de Keyser.

D. S. University of North Carolina, 4910; M. D. Johns Hopkins University, 4915. Roosevelt Hospital, N. Y. City. 416 So. 4th St., Wilmington, N. C. Instructor, College of Medical Sciences.

Bemies, Madeleine Susanne (A.E.C.).

B. E., B. S., Oxford; Lycée Molière, Sorbonne, Paris. Superintendent of temporary hospital 53, French Red Cross. 52 Ave. de Naully, Naully-sur Seine. Assistant in rural economics and sociology, College of Agriculture.

Benedict, 1st Lt. QMC., Leray Doig.

A. B. University of Michigan, 1915. Extension Division, Iowa State University. Turin, N. Y. Supply Officer, College of Letters.

Benham, Allen Roger (A. E. C.).

A. B. University of Minnesota, 4900; A. M. 4901; Ph. D. Yale, 4905. Professor of English, University of Washington, 1204 E. 75th St., Seattle, Wash. Instructor in English, College of Letters and Cadet College.

Benolken, 1st Lt. Inf., Irving William.

Pennsylvania Academy of the Fine Arts. Artist. 315 S. 31st St., Omaha, Neb. Instructor in painting, College of Fine and Applied Arts.

Berberian, 222841 Pvt. 1/c., William R.

A. B. St. Paul University, 1910. 4317 Baltimore Ave., Philadelphia, Pa. Instructor in French, College of Letters.

Berkel, 2nd Lt. C. A. C., Frank R.

Engineer, C. A. C. California. Instructor in electrical engineering, College of Engineering and Division School.

Bessey, 1st Lt. Engrs., Carl Athearn.

B. S. in E. E. University of Nebraska, 1899. Assistant electrical engineer, H. M. Byllesby & Co. 746 No. Central Ave., Chicago, Ill. Instructor in electrical engineering. College of Engineering.

Bethea, Major D. C., William L.

D. D. S. Atlanta Dental College. Instructor in dentistry, College of Medical Sciences.

Bevan, Capt. F. A., Wendell Lowell.

B. S. Agricultural College of Colorado, 1915. Instructor, Agricultural College of Colorado. 425 Porter Ave., Buffalo, N. Y. Instructor in zoology, College of Science.

Beverly, Capt. V. C., Albert L.

D. V. M. Iowa State College. Instructor in medicine, College of Medical Sciences.

Binon, Edouard (Aspirant).

Brevet Supérieur, University of Orleans, 4912. Teacher. Orleans, France. Instructor in French, Collège of Letters.

Bird, 2nd Lt. Inf., Cary Hanchett.

Western State Normal School, Kalamazoo, Michigan. Instructor Intermountain Institute, Weiser, Ida. Saugatuck, Mich. Instructor in vocational engineering, Gollege of Engineering. Bishop, David Horace (A. E. C.)

A. B. Emory and Henry College, 1891; M. A. Vanderbilt University, 1897. Professor of English, University of Mississipi. *Instructor in English*, College of Letters and Cadet College.

Black, 1st Lt. Inf., G. M.

Webster Groves, St. Louis, Mo. Assistant Adjutant.

Black, 2nd Lt. A. S., John Earl.

B. S. C. Mechanical Engineering, University of Illinois, 4944. Methods engineer, Western Electric Co., Chicago, Ill. 504 West 6th St., Mendota, Ill. Instructor in mechanical engineering, College of Engineering and Division School.

Black, Sgt., Joseph B.

Graduate, Central State Normal, Edmond, Okla. Superintendent, Rocky Public Schools, Rocky, Okla. *Instructor*, *Division and Post Schools*.

Blackall, 1st Lt. QMC., George B.

Ph. B. Sheffield Scientific School. *Instructor in vocational engineering*, *College of Engineering*.

Blalock, 3276152 Cpl., Hubert Morse.

A. B. University of North Carolina, 4915; A. M. Johns Hopkins University, 4917. Southern School Supply Co., Raleigh, N. C. Raleigh, N. C. Instructor in political science, College of Letters.

Blanshard, 4774567 Sgt. 1/c., Brand.

A. B. University of Michigan; A. M. Columbia University, (Rhodes Scholar), Oxford University. Instructor in philosophy, Columbia University. Merton College, Oxford, England. Instructor in philosophy, College of Letters.

Bleynie, Sgt., Leon.

Ecole Physique et Chemie, Paris Ingénieur, 1910. Manager of a chemical factory. Angouleme, France. Instructor in French, College of Letters.

Boeh, 1st Lt. Inf., Benjamin Anthony.

Washburn Law School, Ex. 1918, Wathena, Kansas, Supply Officer, College of Journalism.

Bohnstengel, 3656110 Pvt., Walter.

B. S. in M. E. University of Kansas, 1910. Assistant engineer, Test Dept. A. T. & S. F. Ry., Topeka, Kansas. Instructor in mechanical engineering, College of Engineering.

Bokman, 1st Lt. D. C., Arthur F.

D. D. S. Northwestern University, 1917. Interne, 7338 Yates Ave, Chicago Ill. Instructor in dentistry, College of Medical Sciences.

Bonner, Capt. M. T. C., L. A.

4901 Wyoming Ave., Washington, D. C. Railroad Transportation officer.

Bonneville, Capt. F. A., Joseph H.

A. B. William and Mary College, 4900; L. I. 1900. Commandant and Superintendent St. Martin's College, Philadelphia, Pa. 23 Hepse St., Hampton, Va. Assistant instructor in history, College of Letters.

Bonney, Capt. Inf., Timothy Doten.

A. B. University of Maine, 1916. Construction and Business Administration. Ridlonville, Me. Instructor in mathematics, College of Science.

Borders, Capt. Inf., Isaac Dougherty.

B. L. University of Tennessee, 1898. Minister, Melrose Methodist Church. 4100 Scarritt Avenue, Kansas City. Mo. Assistant Director, Department of Citizenship.

Borglum, Solon.

Patron, department of sculpture, Bellevue.

Bortz, Pvt. 1/c., Clifford E.

B. S. Grove City College. Principal high school, Harlansburg, Pa. Instructor, Division School.

Boughton, 1st Lt. Inf., Everett William.

B. S. Brooklyn Polytechnic, 4903; M.S. George Washington University, 4909. Chief Chemist and Assistant Superintendent, The Congoleum Co., Marcus Hook, Pa. Instructor in chemistry, College of Science.

Boulter, 2390721 Musician, Lewis Henry.

B. A. Cornell University, 1913; M. A. 1914. Instructor in English, Cornell University. 29 Hamilton Ave., Auburn, N. Y. Instructor in English, College of Letters.

Bourgogne, Lucien.

M. A., Agrégé, Université de France, 1895. Professor Lycée Condorcet. 9 bis Rue Michel-Ange, Paris, France. Head of department of French, College of Letters.

Bowers, 525266 Pvt. 1/c., Edward L.

Salesman, Florist and Horticultural Products and Supplies. 712 San Pasquel Ave., Los Angeles, Cal. Instructor, College of Business.

Bowle, Army Field Clerk, A. A.

Circulation Manager, « The Gregg Writer ». Assistant, commercial department, Division School.

Boyden, 772952 Sgt. QMC., Robert Wetherbee.

A. B. Harvard University, 1910. Teacher of history and English, St. Paul Academy, St. Paul, Minn. 64 Oakwood Road, Newtonville, Mass. Instructor in English, College of Letters and Division School.

Boylin, 3512502 Pvt. 1/c., Rodney L.

B. S. North Carolina College of Agricultural and Engineering, 4946. Demonstration Agent. Instructor in animal husbandry, Farm School, Allerey.

Brackenbury, Major C. W. S., Benjamin A.

B. S. University of Illinois, 1909. Consulting engineer Public Utility Investigations. Masonic Club, San Francisco, Cal. In charge of student organization and records, College of Engineering.

Bradt, 740818 Band Sgt.. Glenn Warner.

Farmer. Marcellus, Mich. Instructor in band instruments, College of Music.

Brainerd, 2302436 Sgt., Eugene K.

University of Wisconsin, 2 yrs. Instructor, Farm School, Allerey.

Bramlett, Major C. A. C., Andrew.

B. S. South Carolina Military College, 1899. Assistant Professor of mathematics, Clemson College, S. C. Head of department of mathematics, College of Science.

Brammer, 1st I.t., Harlo M.

Indiana University, 2 yrs; graduate, Metropolitan Business College. Director, Business College. Mt. Summit, Ind. Instructor, Division School.

Brandenburger, 460075 Musician, Friedolin R. A.

Graduate, Illinois State Normal University, 1916. Head of general science department, Jr. High School, Belleville, Ill. New Athens, Ill. Instructor in science, College of Correspondence.

Brandon, 1st Lt. Inf., William McKinley.

A. B. Cornell College, 1916. Settlement worker, New York City. Hampton, Ia. *Instructor in economics, College of Letters*.

Brandt, John Arthur (A. E. C.).

Kirksville State Normal. Organization work, Ranken School of Mechanical Trades, St. Louis, Mo. 802 Adams St., St. Charles, Mo. Instructor in mechanical engineering, College of Engineering.

Brechemin, Col. M. C., Louis.

Graduate, Jefferson Medical College, 1900. Director Sanitary School, 4st Corps Schools A. E. F. Assistant Director, College of Medical Sciences.

Breed, 1st Lt. F. Nelson.

Massachusetts Institute of Technology. Architect. Hartford, Conn. Assistant to the Dean, department of architecture, Bellevue.

Bretzke, 2855826 Pvt., Robert H.

B. S. University of Minnesota, College of Agriculture, 4918. Instructor and supervisor of Agricultural High School. *Instructor, Farm School, Allerey*.

Briley, 2nd Lt. A. S., Carl P.

Kansas State Teachers' College, 3 yrs. Commanding Officer, Headquarters company, Farm School Allerey.

Broderick, Mrs. Margaret Ryan (A. E. C.).

M. A. Kidd-Koy, 1910. Executive. U. S. Gas Defense Plant. 547 West 486th St., New York City. Secretary, College of Business.

Bronson, 1st Lt. M. C., Walter T.

Supply Officer, College of Medical Sciences.

Brooks, Capt. Engrs., Benjamin.

California School of Mechanical Arts. Engineer for the Clay Products Association, Chicago. 923 Baltimore Avenue, Kansas City, Mo. Supply Officer, College of Engineering.

Brooks, 564099 Pvt., Henry Queen.

A. B. Catholic University of America, 4914; LL. B. Georgetown University, 4917. Clerk, Italian Embassy, Washington, D. C. 3736 12th St., N. E., Washington, D. C. Instructor, College of Business.

Brown, Ensign. U. S. N., A. M.
Division of design, Bellevue.

Brown, Capt. M. C., John Charles.

M. D. Albany Medical College, 1892. Practicing physician, Albany, N. Y. c/o Equitable Life, Albany, N. Y. Instructor, College of Business,

Brown, John Thompson (A. E. C.).

A. B. University of Virginia; A. M. 1906. Professor of English, Winthrop College, Rock Hill, S. C. Instructor, Division School.

Brown, Capt. M. C., Thomas Stephen.

M. D. University of Vermont, 1904. Superintendent Mary Fletcher Hospital, Burlington, Vt. 56 North Willard St., Burlington, Vt. Instructor in medicine, College of Medical Sciences.

Brown, 2nd Lt. V. C., Vernie H.

D. V. M. Indiana Veterinary College, 1911. Veterinarian. Instructor, Farm School, Allerey.

Brown, Cpl., William.

Hampton Institute. Assistant Instructor, Post School.

Brown, 730827, Sgt., William Bachman.

B. E. North Carolina State College of Agriculture and Engineering, 1914; A. M. Roanoke College, 1909. Junior engineer, Valuation Department, Interstate Commerce Com. Glass, N.C. Instructor in civil engineering, College of Engineering.

Bruce, 18228 Sgt. 1/c., William Robert.

A. B. Lawrence College, 4915. Assistant instructor, Lawrence College. Appleton, Wis. Assistant, College of Science.

Bryant, 424581 Pvt., James.

Draftsman, U. S. Coal and Coke Company. 3265 Collinford Ave., Cronsville, Ky, Instructor in civil engineering, College of Engineering.

Buchanan, Herbert Earle (A. E. C.).

A. M. University of Chicago, 1903; Ph. D. 1909. Professor of mathematics, University of Tenn. Knoxville, Tenn. Instructor in mathematics, College of Science, head of department of astronomy and instructor in Cadet College.

Buck, 2202989 Sgt., Leo Loren.

Arizona State Normal. Tempe, Ariz. Instructor in vocational engineering, College of Engineering and Division School.

Buckles, 2nd Lt. Inf., Crofford Henry.

Indiana State Normal School. Instructor, Mechanical Drawing, Manual Training High School. Martinsville, Ind. Instructor in mechanical engineering, College of Engineering.

Buckstaff, Sgt., Ben.

Graduate, Oshkosh State Normal. Head of commercial department, Berlin High School, Berlin. Wis. *Instructor*, *Division School*.

Bullard, Pvt., Gilbert F.

Assistant, Post School.

Bunch, 773182 Sgt., Lvernon.

C. E. University of Oklahoma, 1913. Field Superintendent, Black & Veatch, Camp Pike, Ark, 1920 Hill Street, Jacksonville, Fla. Instructor in civil engineering, College of Engineering.

Burger, Capt. Inf., Carl Victor.

B. Arch. Cornell University, 1912. School of Museum of Fine Arts. Boston. Instructor, department of architecture, University of Illinois. Maryville, Tenn. Assistant Director and head of department of painting, College of Fine and Applied Arts.

Burke, 1st Lt. C. A. C., William Joseph.

B. S. in E. E. Oklahoma Agriculture and Mechanical College, 1911. Salesman, Westinghouse Electric & Manufacturing Co., East Pittsburg, Pa. 401 Hester St., Stillwater, Okla. Instructor in electrical engineering, College of Engineering and Division School.

Burke, William Maxwell (A. E. C.).

A. B. Oberlin College, 4896. A. M. 4897; Ph. D. Columbia University, 4899. Practicing attorney. 214 East Ave., Los Angeles, Cal. Instructor, College of Law.

Burnham, Capt. Inf., Archer Lowell.

A. B. University of Nebraska, 1916. Professor, social sciences, Fremont College. Stanton, Nebraska. *Instructor in economics, College of Letters*.

Burns, 2nd Lt., Thomas M.

Raimer, Oregon. Fire Marshall.

Burnseed, Sgt., Robert B.

Georgia Normal College, 2yrs. Teacher. Assistant instructor, Post School.

Burr, 1065081 Sgt. 1/c., Charles Washington.

B. S. University of Maine. Forester. Northeast Harbor, Me. Instructor in agriculture, College of Correspondence.

Burritt, 2696658 Cpl., Hiram Ray.

B. S. Cornell University, 4917. Farmer. Austin, Colo. Instructor in botany, College of Science.

Burrowes, 1st Lt. Inf., Robert Morgan.

A. B. Yale, 1915. Instructor in English, Georgia School of Technology. 36 Point St., Yonkers, N. Y. Instructor in English, College of Letters.

Busch, 1827449 Sgt. 1/c., William Henry.

Student, Ohio State College; University of Pittsburg. Insurance Business. 2 Oxford Ave., Pittsburg, Pa. Instructor, College of Business.

Bush, Pvt. 1/c., William E.

A. B. Lincoln University, 4946. Professor of English, Haines Normal and Industrial Institute, Augusta, Ga. Assistant instructor, Post School.

Butterfield, Kenyon Leech (A. E. C.).

B. S. Michigan Agricultural College, 4891; A. M. University of Michigan, 4902; LL. D. Amherst College, 4910. President, Massachusetts Agricultural College. Amherst, Mass. Instructor in rural economics and sociology, College of Agriculture, and Commissioner, Army Educational Corps.

Byers, Noah Eversole (A. E. C.).

B. S. Northwestern University, 4898; A. M. Harvard University, 4903. Dean and Professor of Philosophy, Bluffton College. Bluffton, O. Instructor in psychology, College of Science.

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Call, Leland E. (A. E. C.).

B. S., 4906, M. S., 4912, Ohio State University. Agronomist, Kansas State Agricultural College. Instructor in agronomy, College of Agriculture.

Callaghan, 1st Lt. Engrs., Cornelius.

Librarian, Bellevue.

Callender, 1st Lt., Engrs., Alexander Barnes.

B. S. Case School of Applied Science, 1905. Bridge Engineer. 1369 E. 86th Street, Cleveland, Ohio. Instructor in civil engineering, College of Engineering.

Campbell, 2nd Lt., F. A., William Martin.

B. S., University of Pennsylvania, 4912. Instructor in Drawing. 4443 School House Lane, Germantown, Philadelphia, Pa. Instructor in architecture, College of Fine and Applied Arts.

Cance, Alexander E.

A. B., McAlester College; M. A. and PhD., University of Wisconsin, 4908. Head of department of agricultural economics, Massachusetts Agricultural College. Amherst, Mass. Instructor in department of rural economics and sociology, College of Agriculture.

Cantrall, Charles McKee (A. E. C.).

A. B. Emporia College, 1902, A. M., Princeton, 1912, B. D., Princeton, 1910; University of Glasgow. Administrative work, Parsons College, Iredonia, Kansas. *Instructor in philosophy, College of Letters*.

Carey, 2nd Lt. Ord., Charles D.

B. S. Pennsylvania State College, 4916. Horticultural inspector, State of Washington. Yakima, Wash. *Instructor in horticulture*, Farm School, Allerey.

Carey, Army Field Clerk, Michael T.

Instructor, College of Business.

Carleton, 2nd Lt. Inf., Howard C.

B. S. Texas Agricultural and Mechanical College, 4916. Dairy and Food Inspector, Dallas, Tex. Instructor, Farm School, Allerey.

Carlus, Jacques.

Department of design, Bellevue.

Carpenter, Army Field Clerk, Allen Rogers.

Student, Columbia University. 4416 P Street, Washington, D. C. Clerk, Registrar's Office.

Carroll, 2nd Lt. S. C., Franklin Bache.

B. S. 1913, A.M. 1914, Ph. D 1917, University of Pennsylvania. Teacher of botany, Northeast High School, Philadelphia. 617 S. 16th Street, Philadelphia, Pa. *Instructor in botany, College of Science*.

Carroll, Capt. M. T. C., M. C.

1896 Broadway, New York City. Entertainment Officer.

Carson, 2nd Lt. F. A., Julius L. Jr.

B. S. Clemson College, 1914. Field agent, U. S. Department of Agriculture. *Instructor, Farm School, Allerey*.

Cauldwell, Capt. A. R. C.. Leslie.

Head of department of decoration and industrial design, Bellevue.

Cavins, Elmer Warren, (A. E. C.).

Teacher in Illinois State Normal University. Normal, Ill. Instructor, College of Correspondence.

Cerf, Capt., Barry.

A. B. University of Wisconsin. Instructor in French, University of Wisconsin. Instructor in French, College of Letters.

Chambellan, Sgt. René F.

Instructor, department of sculpture, Bellevue.

Chancey, 2243747, Pvt. 1/c, Arven Gordon.

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Chapman, Capt. Engrs Stanley Alba.

B. S. in C. E. Pomona College, 4910. Chief Inspector Engineering Dept., City of Pasadena, Galifornia. 534 Normandie St., Pasadena, Calif. Instructor in civil engineering, College of Engineering.

Charles, 2nd Lt. A. S., William K.

Kansas State Agricultural College. Farming. Republic, Kansas. Assistant in rural economics and sociology. College of Agriculture.

Chase, F. J.

B. S. in Agr., Nebraska University, 1914. Farm management specialist at Montana State College of Agriculture. Instructor, Farm School, Allerey.

Chase, 1725332 Ord. Sgt., Roy Ernest.

A. B. Hillsdale College, 1917. Efficiency Expert. 1621 East State Street, Rockford, III. Instructor in English, Division School.

Chilcoat, 1284810, Pvt. 1/c, Carlton B.

Student. Glyndon, Md. Instructor in vocational department, College of Engineering, and College of Business.

Chittenden, Sgt. 937056, Donald W.

B. S. Missouri University, 4918. Instructor in animal husbandry, Farm School, Allerey.

Clark, Capt. M. C., Jefferson Hamer.

A. B. Haverford College, 4911; M. D. Johns Hopkins Medical School, 4915. Associate in Clinical Laboratory, 3343 N. 20th St., Philadelphia, Pa. *Instructor*, College of Medical Sciences.

Clark, Mary W., Militarized Civilian.

File Clerk, College of Medical Sciences.

Clarke, 2nd Lt. A. S., Charles Moore.

B.S. Dartmouth; 4916, M.C.S. Dartmouth; 4917. Student. 8 Electric Avenue, Somerville, Mass. *Instructor*, *College* of Business.

Clay, 1st Lt. Engrs., Robert Alva.

B. S. in E. E., Georgia School of Technology, 1915. Experimental engineer. Monroe, Georgia. *Instructor in electrical engineering*, College of Engineering.

Coe, 2nd Lt. F. A., Arthur P.

Williams College. Student. Instructor, Division School.

Coe, 2nd Lt. Inf., Samuel G.

A. B. Washington & Lee College, 4909; A. M. Washington & Lee College, 4916. Principal, Clifton Forge High School. Edinburgh, Va. Assistant instructor in history, College of Letters.

Coen, Capt. Inf., Alban Wasson.

University of Pennsylvania. Architect. 3338 Harold Avenue, Berwyn, Ill. Assistant Librarian, University Library.

Coleman, 526487 Sgt., Ralph L.

California School of Mechanical Arts. Farm manager. Instructor in agricultural engineering, Farm School, Allerey.

Collins, Sgt., Henry C.

Instructor in architecture, College of Fine and Applied Arts.

Colonna, Capt. Inf., Benjamin A.

B. S. Virginia Military Institute, 1914; LL. B. Columbia University, 1917. Assistant Professor of German and Tactis, V. M. I. Assistant instructor in history, College of Letters.

Comfort, 2471214, Sgt. 1/c., Frank M.

B. S. Pennsylvania College. Instructor in science, High School, Philadelphia, Pa. *Instructor in chemistry*, College of Science.

Conklin, 1st Lt. T. C., Russell Foster.

Heffley Institute. Civil Engineer. 620 Hancock Street, Brooklyn, N. Y. In charge of buildings and construction, College of Business.

Conley, Pvt. 1/c, Kendall.

Mountain Training School. Brestonburg Baptist Institute. Assistant instructor, Post School.

Conover, 1st Lt. C. A. C., Herbert R.

Michigan Agricultural College, Valuation engineer, Real Estate Department C. C. & St. L. Ry, Cin. Ohio. 603 Maple Street, Lawrenceville, Illinois. *Instructor in civil engineering, College of Engineering and Division School.*

Conwell, Major, I. A., W. L.

969 East State Street, Ithaca, New York. Superintendent of Buildings and Grounds.

Cook, Pvt. 1/c., Howard L.

Howard College, Alabama, 3 yrs. Teacher. Assistant instructor, Post School.

Cooper, Pvt., Henry.

Normal School, West Chester, Pa. 3 yrs. Temple University, 3 yrs. Assistant instructor, Post Schools.

Cooper, Richard Watson (A. E. C.).

A. B. Wesleyan, 4890, D. D. Wesleyan, 4909, and Lit. D. Hamline Univ., 4909. President, Upper Iowa University. Cable, Wisconsin. Registrar.

Cope, Capt. D. C., Rozelle M.

D. D. S., Ohio State University, 1916. Practitioner. 60 W. High St., London, Ohio. Instructor in dentistry, College of Medical Sciences.

Copeland, 2nd Lt., C. E.

St. Louis, Mo. Assistant Personnel Adjutant.

Cornut, Lt., Henry George. Mission Militaire Française.
B. S. Lycée de Poitiers, 4913. Poitiers, France. Instructor in French, College of Letters.

Cotton, John W. (A. E. C.).

Chicago Art Institute. 4137 San Rafael Avenue, Glendale, Cal. Instructor in architecture and painting, College of Fine and applied Arts.

Coulter, John Lee (A. E. C.).

A. B. University of North Dakota, 4904; A. M. Iowa State College, 4905; Ph. D. University Wisconsin, 4908. Dean of the College of Agriculture, W. Va. Morgantown, W. Va. Instructor in rural economics, College of Agriculture.

Cowart, Capt. D. C., Alva L.

D. D. S. Atlanta Dental College, 4915. Practitioner. Graymont, Ga. Instructor in dentistry, College of Medical Sciences.

Cowley, Frederick Kitson (A. E. C.).

University of Michigan. Instructor in Carnegie Institute of Technology. 2206 Fifth Avenue, Moline, III. Instructor, College of Fine and Applied Arts.

Cox, 2nd Lt., Frederic H.

University of Illinois. Sporting Editor - Special Features, « Daily Pantagraph », Bloomington, Ill. 3536 Utah St., San Diego, Cal. Instructor, College of Correspondence.

Coxhead, Ernest (A. E. C.).

Academy of Fine Arts, London. Architect. Hearst Bldg., San Francisco, Cal. Instructor in architecture, College of Fine and Applied Arts.

Coyle, 1269377 Sgt., Francis Brien.

B. S. Trinity College, 4946. Metallurgical engineer, Greenfield Top & Die Corp. Greenfield, Mass. « The Linden », Hartford, Conn. Instructor in electrical engineering, College of Engineering and Division School.

Cozzens, 1294320 Sgt., James S.

Pennsylvania State College, 3 yrs. Farmer. Instructor in animal husbandry, Farm School, Allerey.

Craig, Capt. S. C., Hugh B.

Pennsylvania State College. Principal Evsley High School, Birmingham, Ala. Shippensburg, Pa. Instructor in chemistry, College of Science.

Cramer, Capt. Inf., Harry Giffith.

Ph. B. and B. S., Dickinson College, 1906. District Manager, New England Mutual Life Insurance Company. 415 Napoleon Street, Johnstown, Pa. *Instructor*, College of Business.

Crane, 1st Lt. QMC, Millard.

A. B. Purdue University, 1900; B. S. Purdue University, 1911; M. S. University of Wisconsin, 1916. Professor of rural economics, Kansas State. Normal School. Fort Hays, Kansas. *Instructor*, Farm School, Allerey.

Crenshaw, Capt. C. W. S., James Llewellyn.

A. B. Center College, 4907; Ph. D. Princeton, 4914. Associate in physical chemistry, Bryn Mawr. *Instructor in chemistry*, College of Science.

Creswell, Major Inf., Harry T.

2412 Webster St., San Francisco., Cal. Commanding Officer, Provisional Regiment No 1.

Cretcher, Capt. C. W. S., Leonard H.

A. B. Michigan 1912; Ph. D. Yale 1916. Research chemist, Rockefeller Institute for Medical Research. De Graff, O. Instructor in chemistry, College of Science.

Crockett, Capt. Inf., Dura Prescott.

B. S. New Hampshire State College, 1916; M. A. University of Missouri, 1917. New London, N. H. Instructor in animal husbandry, College of Agriculture.

Croissant, 1378516, Mus. 1/c, Clarence H.

Christian Brothers College. 3146 Bond Avenue, East St. Louis, Ill. Instructor, College of Music.

Crooks, 2nd Lt. Engrs., Harold Fordyce.

A. B. Columbia University, 1916. M. S. University of Illinois, 1917. Fellow in economic geology, University of Ill. 1009 S. Kenilworth Ave., Oak Park, Ill. Instructor in geology, College of Science.

Crowell, 2948856, Cpl., Melvin Gleason.

A. B., A. M. Cornell University, 1912. Instructor in English, Cornell University. Belfast, New York. *Instructor in English*, College of Letters.

Crum, 2nd Lt. F. A., William Leonard.

A. B. Williams, 1914; M. A. Yale, 1916; Ph. D. 1917. Instructor, Yale University. North Adams, Mass. *Instructor in mathematics, College of Science*.

Cundiff, 2nd Lt. QMC, Stuart A.

Leland Stanford, Jr. University, 3 yrs. Construction engineer. Instructor, Post School.

Cunningham, Maj. Harry F.

George Washington University, Worcester Polytechnic Institute, Beaux Arts Institute of Design. Architect. 4 rue des Ecole, Paris, France. Head of department of industrial and commercial art, College of Fine and Applied Arts.

Curry, Pvt. 1/c, David E.

B. S. Kansas State Agricultural College. Farmer. Instructor, Farm School, Allerey.

Custer, John (A. E. C.).

B. A., Oxford, Ph. D. University of Wisconsin. Professor of history, Lawrence College, Appleton, Wis. Instructor in history, College of Letters.

Dages, 3449761, Pvt., Omer Francis.

Indiana State Normal School. Principal, Montgomery High School, Montgomery, Indiana. Loogootee, Ind. Instructor in mathematics, College of Science.

Dallam, Col. I. G. D., S. Field.

In care of The Adjutant General, Washington, D. C. Inspector.

Dalton, 4st Lt. Inf., Herlan E.

Bowling Green Business University, Instructor Cumberland College. Williamsburg, Ky. Instructor in bookkeeping, Division School.

Danforth, 2nd Lt. F. A., George N.

B.S. Massachusetts Agricultural College, 1916. Instructor in High School, Agricultural Institute, Royalton, Minn. Instructor, Farm School, Allerey.

Daniel, Capt. C. A. C., Charles Elwood.

B. M. E. Kentucky State University, 1911; E. E., 1914. Consulting engineer, Marc Eidlitz & Son, Builders, New York City. Beattyville. Ky. Instructor in mechanical engineering, College of Engineering.

Daniels, Pvt., Carl L.

Attorney. Medane N. C. Instructor, College of Business.

Dappert, 1st Lt. Tank Corps, Anselmo Fulton.

University of Illinois. Engineer, Maintenance of Way Department, B. and O. S. W. R. R. Co. Taylorville, Ill. Assistant Director, College of Music.

Darling, 2nd Lt. Inf., Homer Chester.

B. S. Massachusetts Agricultural College. 4916. Farm Manager for City of Boston. Mendon, Mass. *University* Farm Manager, College of Agriculture.

Dauphin, Georges.

Instructor in French, Bellevue.

Davidson, 1424978, Cpl., Floyd McCormick.

Minnesota State Normal College. Tariff inspector, railroad. 3129 Lyndale Ave. South, Minneapolis, Minn. File clerk, College of Agriculture.

Davidson, 374608, Cpl. Herbert Marc.

Litt. B., Columbia University, 4918. Copy desk. "Kansas City Star". 3128 Pases, Kansas City, Mo, Instructor, College of Journalism.

Davis, A. C. (A. E. C.).

B. S. Denison University: University of Chicago. Supt. of Schools, Yakima, Wash. Principal of Division School.

Davis, 2692677, Pvt. 1/c., Archie Ray.

University of Chicago. Supt. of District 432, Cook County, Ill. 7337 Phillips Avenue, Chicago, Ill. Instructor in public health and hygiene, College of Science, instructor in College of Education.

Davis, 250499 Pvt., Edward Manning.

B. S. Ames College, 1918. Field Assistant U. S. Forest Service. 6 Carnegie Ave., E. Orange, N. J. Instructor in forestry, College of Agriculture.

Davis, Forrest Spurgeon (A. E. C.).

B. A. University of Illinois, 4905. M. A. Kansas University, 4910. Instructor in history, Muskoges, Okla. Shawnee, Okla. Supervisor, history and civics, College of Correspondence.

Davis, 2nd Lt. C. A. C., Francis Perry.

B.S. Brown University, 1913. Member Eng. Dept. American Tel. & Tel. Co. 236 Meeting St., Providence, R I. Instructor in mechanical engineering, Gollege of Engineering.

Davis, James Austin, (A. E. C.).

M. A. University of Illinois, 4908. Head of the department of English, Northern Arizona State Normal School, Flagstaff, Ariz. Instructor in English, College of Letters.

Davis, Capt. V.C., Roscoe Erle.

D. V. M. Cornell, 1915. Clinton, New York. Instructor in veterinary medicine, College of Medical Sciences.

Davis, William Orley (A. E. C.).

Dement College, Chicago. Educational Sales Dept., Remington Typewriter Co., N. Y. City. Instructor in typewriting, Division School.

Deal, 1st Lt. T. C., Roy Trowbridge.

Illinois State Normal University, 4946. Instructor in manual training. 40301 Kempton Avenue, Cleveland. Ohio. Instructor in vocational engineering, College of Engineering and Division School.

Deane, Barbara (A.E.C.).

B. A. Allegheny College, 1912 Secretary to Chief Chemist, National Lead Company, Brooklyn, N. Y. Secretary, College of Letters.

Deaver, 2nd Lt. QMC., Harlan.

B. S. Kansas State Agricultural College, 1910. Sabetha, Kansas. Instructor in agronomy, College of Agriculture.

De Bouillé, 4082934, M. E. A. S., Herbert William.

Société des Arts, Montreal, Canada. Traveling salesman. Hotel Stewart, San Francisco, California. *Instructor*, College of Business.

Degnan, Pvt., James P.

B. A. Iowa State Teachers College; The State University of Iowa, Assistant, Post School.

De Grouchy, Lt., Armand Alain Marie Eugène.

Instructor in French, College of Letters.

Delamare, R. M.

Head of the department of French, Bellevue.

De Lecluse, Capt., Henri.

A. B. Ecole Militaire de St. Cyr, 4888. B. S. 4890. Instructor in French, College of Letters.

De Marion de Glatigny, Lt., Hervé Pierre Marie.

Instructor in French, College of Letters.

Dennis, 2nd Lt. Inf., Clifford E.

Litt. B.. Rutgers College, 1913; M. A., Harvard, 1915. Master, St. Marks School, Southboro, Mass. Hamburg, N. J. Instructor in English, College of Letters.

De Thorey, Léon Adolphe Gillet.

B. A. University of Paris. Instructor, College of Letters.

De Werff, 1st Lt. Inf., Henry August.

B. S. University of Illinois, 1914. Assistant in soil physics, University of Illinois. Farina, Illinois. Head of department of agronomy, College of Agriculture.

Dice, Sgt. 1/c, Justus H.

A. B. University of Pittsburg, 4941; B. L. S. New York State Library School, 4943. Library Organizer, State of Ohio. 6408 Bartlett St., Pittsburg, Pa. Supt. of Reserves. Library.

Dickens, Pvt., Campbell A.

Administration Office, Post and Division Schools.

Dickerson, Luther L. (A. L. A.).

Oklahoma State Normal School, New York State Library School. A. L. A. Headquarters Staff, Washington, D. C. Grinell, Iowa. *University Librarian*.

Dickey, 1st Lt., QMC., G. R.

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Dietrich, Capt. Engrs. Edgar Carl.

Drexel Institute. City Engineer, Tucson, Arizona. 223 N. Main St., Tucson, Ariz. Instructor in mining engineering, College of Engineering.

Dobbs, Sgt. QMC., Grover C.

A.B. Mississippi Industrial College, 1918. Assistant instructor, Post School.

Dodd, Capt. Samuel Ward.

B. S. Princeton, 1901; M. S. 4906; M. A. Columbia 1907; M. D. College of Physicians and Surgeons, 1905. 47 Enfield Avenue, Montelair, N. J. Instructor in physiology, College of Medicine.

Donlevy, Capt. D. C., Frank D.

D. D. S. Northwestern University, 1915. 401 N. 4th Avenue, Maywood, Ill. Instructor in dentistry, College of Medical Sciences.

Dougine, Genevieve N. (A.E C.).

B. S. New-York University, 1911. Teacher of English in the Julia Richman High School, New York City. 2261 Loring Place, New York City. Assistant to the Registrar.

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B. A. Grinell College, 1891, M. A. Harvard, 1896. Secretary of American Missionary Association. *Instructor in rural economics and sociology*, College of Agriculture.

Dowd, 1st Lt. San. C., Edwin J.

Supply Officer, College of Medical Sciences.

Drew, 1st Lt. M. T. C., Herbert E.

B. S. in Agr. University of Wyoming, 1916. M. S. in Agr., Michigan Agricultural College, 1917. Head of department of animal husbandry, Farm School, Allerey.

Dunham, 1st Lt. Inf., Dio Edgar.

University of Wisconsin, Supervisor of manual training, Bellaire, Ohio. 809 South Park Avenue, Oshkosh, Wis. Instructor in vocational engineering, College of Engineering and Division School.

Durning, Marie Elizabeth (A.E.C.)

Director Housing Department, Health Department, Louisville, Ky. 456 Fifth Avenue, New York City. Secretary to the President and Commanding Officer. Eads. 2 Lt., Richard A.

East Texas Normal, 1917. Principal, High School, Lond, Texas. Instructor Division School.

Earl, 657227, Pvt. 1/c., Warren John.

Mechanical draftsman for Mercer Auto Company, Trenton, N. J., 456 Division Street, Amsterdam, N. Y. Instructor in mechanical engineering, College of Engineering.

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Litt, B. Ohio Nothern University, 4905; B. A., 4909; M. A. Yale, 4941; Ph. D. 4943. Professor of education, Ohio State Normal College, Columbus Grove, Ohio. Instructor in psychology, College of Science.

Eddingfield, Cpl., R. L.

Globe Business College. Salesman, L. C. Smith & Bros. Typewriter Co. Instructor, Division School.

Edgar, 653345, Master Engr., Charles, Jr.

Drexel Institute. Field and office work with Division Engr. Penna. R. R. Oaklyn, N. J. Instructor in civil engineering, College of Engineering.

Eells, Harry L. (A.E.C.).

B. A. Iowa State Teachers' College; Ames Agriculture College. Instructor, College of Education.

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University of Wisconsin, 3 yrs. Instructor, Farm School, Allerey.

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B. S. Cornell University, 1913. Director of agriculture, Northfield Schools, Mass. Supervisor of Instruction, Farm School, Allerey.

Elson, Sgt., William H.

E. M. University of Minnesota, School of Mines. Instructor in geography and geology, College of Science

Emerson, Major, Engrs., Harrison D.

B. A. Belmont College. New York City. Instructor in mechanical engineering, College of Engineering.

Emery, 1272532, Pvt. 1/c. Steuart Mackie.

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Enelow, Heman G. (A. E. C.).

B. A. University of Cincinnati, 4897; Rabbi, Hebrew Union College, 4898; D. D. 4900. Rabbi, Temple Emanu-El, New-York, 541 Fifth Ave., New York City. *Instructor in history, College of Letters*.

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B. A. Wabash College, 1892; M. A., University of Chicago 1895; Harvard; Leland Stanford. Professor of education, University of Idaho. Moscow, Idaho. *Instructor*, College of Education.

Erskine, John (A.E.C.).

A. B. 1900; A. M. 1901; Ph. D. 1903; Columbia University. Professor of English, Columbia University. 609 West 115th St., New York City. Educational Director. Chairman, Army Educational Commission.

Estill, 1st Lt. Cav., Calvert Lewis.

B. A. Randolph-Macon College, 4916. Instructor in English, Virginia Polytechnic Institute. Lewisburg, W. Va. Instructor in English, College of Letters.

Evans, Austin, Patterson (A.E.C.).

B. A., Cornell, 1911, Ph. D. 1916. Instructor, European history, Columbia University. New York City. Instructor in history, College of Letters and Cadet College.

Evans, 29029 Cpl., Harry H.

LL. B. Kansas City School of Law, 4917. Lawyer. 3020 Forest Avenue, Kansas City, Mo. Instructor, College of Business.

Evarts, 2137073 Sgt., Russel L.

Michigan Agricultural College, short course. Manager, Flushing Orchard Co. Instructor, Farm School Allerey.

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Knoxville College, 3 yrs. Assistant instructor, Post School.

Ewert, 1st Lt. F. A., Earl Cranston.

B. A. Colorado College, 1917. Student instructor, Colorado College. Colorado Springs, Col. Instructor in English, College of Letters.

Farmer, Capt. D. C., Frampton W.

D. D. S. Southern Dental College, 4915. Practitioner. 425 Georgia Ave., Macon, Ga. Instructor and operator in dentistry, College of Medical Sciences.

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B. S. Virginia Polytechnic Institute, 4899; M. S., 4901. Instructor in mathematics, Virginia Polytechnic Institute, 236 35th St., Norfolk, Va. Instructor in mathematics, College of Science.

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Student, University of Pennsylvania. Middletown, Conn. Instructor in architecture, Gollege of Fine and Applied Arts.

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A B. University of Iowa, 1890. A. M. Chicago University, 1893. Sc. D. Upper Iowa University, 1907. Director of training, Montana State Normal College. Dillon, Mont. Instructor, College of Education.

Firor, 1st Lt. F. A., John W.

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Fitch, C.E. (A.E.C.).

M. S. Grinnell College, 1912. Extension specialist, Iowa State College. *Instructor*, Farm School, Allerey.

Fleischer, Capt. D. C., Morris Bernard S.

B. S. University of Pennsylvania, 4912. M. S., 1915. D.D.S. 4917. Research worker. 444 West 413th St. New York City. Assistant Director, department of dentistry, College of Medical Sciences.

Fleischner, Capt. QMC., Herbert Edmund.

A. B. (Magna Cum Laude) Harvard University, 1906. Executive Assistant to Vice President, Industrial Service and Equipment Co. Boston, Mass. 136 Academy Hill Road, Boston, Mass. Assistant Director, College of Business.

Fleming, François.

Membre de l'Institut. Department of painting, Bellevue.

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Flewelling, Ralph Tyler (A.E.C.).

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Fogg, Miller Moore (A.E.C.).

A. B. Brown University, 1894; A. M. Brown University, 1895; A. M. Harvard University, 1901. Professor of rhetoric, University of Nebraska. 1540 So. 21st St., Lincoln, Neb. Director, College of Journalism.

Foley, 2400529 Sgt. 1/c., Thomas Clair.

B. C. S. Meadville Commercial College, 1914. Traffic work manager. Greenville, Pa, Instructor, College of Business and Division School.

Foley, 4672551 Sgt., William Francis.

Boston College. 1907-08. Salesman, Goodyear Tire & Rubber Co. 9 Windsor Road, Somerville, Mass. Instructor, College of Business.

Ford, Colonel M. C., Joseph Herbert.

B. S. Columbia University, 4893; A. M, 4893; M. D., 1897. C. O. Base Hospital 26. 314 Second St. S. E., Washington, D. C. Director, College of Medical Sciences and University Surgeon.

Foret, Alfred Etienne.

B. L. University of Paris, 4905. Horse Breeder, Australia. Sydney. Australia. Instructor in French, College of Letters.

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B. S. Oklahoma Agriculture and Mechanical College, 1917. Stillwater, Okla. Instructor in rural economics and sociology, College of Agriculture.

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Hartford, Conn. Chaplain, Allerey.

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A. B. University of California, 4902; A. M., 4903; Ph. B. University of Michigan, 1912. Assistant professor, University of Iowa. Iowa City, Ia. Instructor, Gollege of Education.

Foster, Henry Albert (A.E.C.).

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A. B. Dartmouth College, 1885; A. M. Harvard University, 1889; Litt. D. Harvard University, 1909. Professor of history, Darmouth College. Hanover, N. H. Head of department of History, College of Letters.

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Foster, 4st Lt. Engrs., William D.

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Fullerton, 4623225 Cpl., Wilfred.

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Fultz, 2493234 Sgt. 4/c., Royal Alfred.

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Farmer. Thorndale, Texas. Library assistant.

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Garwood, Pvt. Harry.

Syracuse, N. Y. Motion picture operator, Department of Citizenship.

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B. S. Columbia College, 4912; A. M., 4917. Superintendent of schools, Tyrone, Pa. 4519 Mifflin St., Huntingdon, Pa. Assistant Educational Director.

Gay, 1er Sgt., Lucien.

University of Fribourg, 4918. Teacher. Instructor in French, College of Letters.

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B. S. Pennsylvania State College, 4916. Industrial engineer, Bethlehem Steel Co., 344 Portage St., Emporium, Pa. Head of department of business organization, College of Business.

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Gilbert, 1st. Lt., T. W.

Mannsville, Jefferson Co., New York. Supervisor of Messes.

Gillespie, James Packard (A. E. F.).

A. B., M. A., Columbia College, 1905, 1907. Minister of Presbyterian Church. Katonah, New York, U. S. A. Instructor in economics, College of Letters.

Gillespie, Capt., F. A., Raymond B.

B. S. in M. E., University of Nebraska, 4916. Heating & Vent. Eng., A. Y. McDonald Mfg. Co., Hot Springs, So. Dak. Instructor in mechanical engineering, College of Engineering.

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Glass, 1960593, Pvt., Everett.

B.A. Amherst, 1914. Actor, Greenwich Village Theatre. 530 W. 143 St., New York City Instructor in English, College of Letters.

Goldblum, 558601, Mus. 3/c., Edward.

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Goodnight, 3175967 Farrier, Clarence L.

Agriculture and stock raising. Instructor in animal husbandry, Farm School, Allerey.

Goodrich, Francis Lee Dewey (A. L. A.).

A. B. University of Michigan, 4903; A.M. 4946; B. L. S. 4906, Reference Librarian, University of Michigan. Ann Arbor, Mich. Reference Librarian.

Goodyear, Capt. F. A., Norton Miller.

B. S. F. Pa. St. Col., 4911. M. F., Yale Forest School, 4912. Crossett Lumber Co., Crossett, Ark. Carlisle. Pa. Instructor in horticulture and forestry, College of Agriculture.

Gosnell, Capt. Cav., Elmer P.

Washington, D. C. Commanding Officer, Troop A, 15th Cavalry.

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B. A. University of Kentucky, 1916. Instructor in journalism, University of Kentucky. Frankfort, Ky. Instructor, College of Journalism.

Graham, Malbone W. (A. E. C.).

A. B. Univ. of California, 1918. Assistant instructor, Univ. of California, 1639 Oxford Street, Berkeley, Cal. Assistant in history, College of Letters.

Grant, Capt. Engrs., James A.

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Gratz, 1970848, Sgt. 1/c., Levi O.

A. B. Bluffton College, 1915, Teaching science in high school, Bluffton, O. Bluffton, O. Instructor in Botany, College of Science.

Gray, Major, Engrs., George H.

Head of the department of city planning, Bellevue.

Graybrook, 4420384 Pvt., Herbert William.

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Greene, Sgt., George A.

Automobile demonstrator for Studebaker Corp. Assistant instructor. Post School.

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Gregor, Sgt. 1/c., George V.

Oshkosh Normal College. Summer course. Teacher. Assistant instructor, Post School.

Griswold, 1st Lt. Engrs., Ralph.

Department of architecture and city planning, Bellevue.

Grivaud, Raphael.

Interpreter, French Army. Instructor in French, Bellevue.

Groce, 3445171 Pvt., Gard D.

Chief draftsman, Miller Eng. Co., Columbus, O. East Columbus, O. Instructor in mechanical engineering, College of Engineering.

Groves, Sgt., Joseph L.

University of Texas. Teacher in high school. Assistant Division School.

Guerte, Alice (A. L. A.).

Typist. Nancy, France. Library Assistant.

Guillemin, Paul.

B. A. Lycée de Beaune, College of Dijon, 1918, Student and interpreter. Beaune, France. *Instructor in French*, College of Letters.

Gulbransen, Marie (A. E. C.).

University of Chicago. Student at University. Ottawa, III. Secretary, College of Letters.

Guminski, 1347946 Mus. 1/c., Anthony.

Private study, Kieff, Russia. Concert work and private teaching. 243 30th St., Detroit, Mich. Instructor in band instruments, College of Music.

Gusman, Pierre.

Department of painting, engraving and etching, Bellevue.

Guthrie, Major F. A., R. T.

Lincoln, Nebraska. Commanding Officer, Provisional Regiment, No. 22. Allerey.

Gwinn, Joseph M. (A. E. C.).

A. B., University of Missouri, 4892; A. M. Columbia University, 4894. Supt. schools, New Orleans, La. New Orleans, La. Director, College of Education.

Haggan, Pvt. 1/c., Henry C.

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Trinity College, Ex. 4911. Blandford, Mass. Construction Officer, College of Agriculture.

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Hall, Howard Judson (A. E. C.).

B. S. Michigan Agricultural College, 4890; A.B. Leland Stanford, Jr. University, 4896; A.M. Harvard University, 4900. Assistant Professor of English, Leland Stanford University. Stanford University, Cal. Instructor in English, College of Letters.

Hall, Pvt., Jesse L.

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Hall, Major, M. C., John R.

In care of the Adjutant General, U.S. Army. Commanding Officer, Detachment Medical Personnel.

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Halverson, 3224892 Pvt, Irvin Oliver

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Hamilton, Capt. M. C., Edwin S.

Kankakee, III. Instructor in medicine, College of Medical Sciences.

Hamilton, Capt. F. A., Rubey J.

B. S. Northwestern University, 1909. Head of science department, Kewanee High School. Kewanee, Ill. Supervisor of instruction and Registrar, Farm School, Allerey.

Hampton, Sgt., Martin L.

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Hance, 1st Lt. San. C., Robert Theodore.

A. B. University of Cincinnati, 4913; A. M. 4914; Ph. D., 1917. Assistant in zoology, University of Pennsylvania. 723 Freeman Ave., Cincinatti, O. Head of department of zoology, College of Science.

Harnes, Capt. San. C., Alvin Russell.

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Harrington, 2nd Lt. QMC, C. C.

Stephens, Arkansas. Bakery Officer.

Harris, Cpl., Marvin.

Arkansas State Normal, 1 yr. Teacher. Assistant instructor, Post School.

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Art Students' League, N. Y. City. Instructor, industrial and commercial art, College of Fine and Applied Arts.

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B. S. in Forestry, Iowa State College, 1917. Field Assistant, U. S. Department of Agriculture. Eddyville, Ia. Instructor in horticulture and forestry, College of Agriculture.

Harvey, 1st Lt. Engrs., Earl Evan.

B. E. Union University, 4907. Secy. Treas. Biscayne Engineering, Co. Inc., Miami, Fla. Instructor in civil engineering, College of Engineering.

Harvey, 459448 Sgt., Samuel H.

B. S. Wesleyan University, 4916. Instructor in agriculture, Clinton (Mass.) High School. Instructor Farm School, Allerey.

Hawes, 2505976 Pvt., Clavin Wesson.

B. S. Massachusetts Institute of Technology, 1917. Industrial engineer, Lewis Mfg. Co., Walpole, Mass. 20 Avon St., Wakefield, Mass. Instructor, College of Business,

Hawkinson, 2850941 Musician 1/c., Walter Karlos.

Bethany College, Minnesota College, Mpls., Minn. Lindsborg, Kans. Instructor in violin, College of Music,

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Supply Officer, Farm School, Allerey.

Haynes, 847868 Cpl., Felkner F.

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Hayward, Harry (A.E.C.).

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B. S. Masachussetts Agricultural College, 4913. Bolton, Mass. Assistant, College of Agriculture.

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Heath, 1st Lt. F. A., Dwight Frederick.

A. B. University of Illinois, 1916; Scholar in Mathematics, University of Ill. 2937 Wilcox St., Chicago, Ill. Instructor in mathematics, College of Science.

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Hedlund, 2nd Lt. A. G. D., Mauritz.

B. S. 4912, M. S. 1943, Dartmouth College; graduate student, University of Ill., 4913-45. Instructor in mathematics, Beloit, College, 495 Belmont St., Winchester, Mass. Instructor in mathematics, College of Science.

Hedrick, Earle Raymond (A.E.C).

A. B. Michigan University, 1896; A. M. Harvard Univerversity, 1899; Ph. D. Gottingen, Germany, 1901. Head of department of mathematics, University of Missouri. Instructor in mathematics, College of Science.

Heinig, 945363 Cpl., George Oscar.

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Helsley, Major Inf., Edward.

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Hendricks, 4241531 Cpl., John W.

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B. S. in Education, Teachers College, Emporia, Kans. 1915. Supt. of Schools, Sterling, Kans., Instructor, College of Education.

Henry, 4st Lt. D. C., Raymond R.

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Baltimore Polytechnic Institute; University of Wisconsin; Columbia University. Instructor in mechanical engineering, College of Engineering.

Herlin, Sgt., Louis Jules T, Mission Militaire Française.
A. B. 4914, B. S. 4915, University of Lille, Lille, France.
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Herren, Nanon Lee (A. E. C.).

Washburn College; School of Expression, Boston. Editor and publisher, Daily Legal News. 440 Topeka Ave., Topeka, Kans. Instructor in English, College of Letters.

Hershey, 2nd Lt. S. C., Robert Leon.

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Hill, Clifton Ray (A. E. C.).

G. E. Polytechnic Institute of Brooklyn, 1917. 705 Mill St., Reno, Nev. Assistant, College of Engineering.

Hill, J. Foster (A. E. C.).

A. B. Harvard University. Principal of the Hill Vocational Institute. Scranton, Pa. Director, College of Correspondence.

Hilliard, 4615747 Pvt., Charles Dudley.

University of Kentucky, 1909-11. Instructor, high school, Newbern, Tenn. Clinton, Ky. Instructor in mathematics, College of Science.

Hine, 3448108 Pvt., Douglas A.

B. S. Kansas State Agricultural College, 4909. Teacher of vocational agriculture. *Instructor in agricultural engineering*, Farm School, Allerey.

Hipsley, 1781213 Sgt., Stanley Prestion.

Baltimore Polytechnic Institute; Wisconsin University; Columbia University. Instructor in Vocational High School. Baltimore, Md. Instructor in mechanical engineering, College of Engineering.

Hobbs, 775266 Sgt., Charles Leslie.

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Hobgood, 2nd Lt. Inf., Guy.

B. S. Oregon Agricultural College, 4915. Agricultural agent. Instructor Farm School, Atterey.

Hodgson, 1845689 Sgt., Robert Watson.

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Holland, 2nd Lt. Inf., James E.

B. S. Iowa State College, Ames, Ia., 1917. Farm manager. Instructor in animal husbandry, Farm School, Allerey.

Holloway, Emory (A. E. C.).

A B. Hendrix College, 4906; A. M. University of Texas, 4912; Columbia University, 4913. Assistant Professor of English, Adelphi College. Adelphi College, Brooklyn, N. Y. Instructor, in English, College of Letters.

Holmes, 1st Lt. F. A., Forrest Shepperson.

B. S. 1907, M. S. 1911, Virginia Polytechnic Institute; graduate student, Johns Hopkins University. In charge of stone fruit investigations, Maryland Agricultural Experiment Station. College Park, Maryland. Instructor in horticulture and forestry, College of Agriculture.

Holmes, Lucy Theodate (A. E. C.).

School of Applied and Normal Arts, Chicago University. Supervisor Dramatic Art, Junior Red Cross, Dulath Minn. Young America, Minn. Assistant, College of Agriculture.

Holt, Capt. Engrs., Andrew Hall.

B. S. In C. E. University of Vermont, 4912. Instructor. College of Applied Science, State University of Iowa, Sunderland, Vt. Head of department of civil engineering, College of Engineering.

Homer, Eleazer Bartlett (A. E. C.).

S. B. Massachusetts Institute of Technology, 4885. Architect. 270 Blackstone Blvd., Providence, R. I. Associate Director, College of Fine and Applied Arts.

Hooks, Army Field Clerk, Frank T.

LL. B. Georgetown University, 4914. Lawyer. Townsend, Mont. Instructor, College of Business.

Hoover, Pvt., Charles E.

Cost Clerk, Stratmore Paper Co. Assistant instructor, Division School.

Hoover, Capt. F. A., Emory M.

B. S. Whitman College. Assistant instructor, Post School.

Hopewell, 2nd Lt. Inf., H. C.

Paduchah Central Business College, Ky. Woodward Iron Co., Woodward, Ala. Assistant instructor, Division School.

Hormell, (A.E.C.) Orren C.

A. B. Indiana University, 1904; A. M. Harvard University, 1909. Professor of government, Bowdoin College. Brunswick, Me. Instructor, Department of Citizenship.

Howard, Capt. Engrs., Clarence E.

Assistant to the Dean, department of architecture, Bellevue.

Howard, Capt. A. R. C., John Galen.

Massachusetts Institute of Technology. Ecole des Beaux-Arts, Paris. Professor of Architecture and Director of School Architecture, University of California. Instructor in architecture, College of Fine and Applied Arts.

Howard, Major, Inf., W. N.

Mamaroneck, New York, Athletic Officer.

Howe, Capt. Inf., H. M.

Northfield, Vt. Commanding Officer, Service Battalion,

Howe, 158613 Pvt. 4/c., Millard Clifford.

B. S. in E. E. Georgia Tech. 4914. Draftsman, Curtiss Aeroplane Co., Buffalo, N. Y. Tallapoosa, Ga. Instructor in electrical engineering, College of Engineering and Division School.

Howell, James C. A. E. C.

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Hoy, 1st Lt. Harry C.

Chaplain, 11th Area.

Hubbard, 582137 Pvt. 1/c., Walter Whiteley.

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Hudson, 1st Lt. D. C., Woodland.

D. D. S. St. Louis University. Instructor in dentistry, College of Medical Sciences.

Hughes, 2nd Lt. A. S., Arthur Evan.

A. B. University of Nebraska, 4917. Fellowship in education, University of Nebraska. Wymore, Nebraska. Supply Officer, Office of the Registrar.

Hughes, 2807064 Pvt. 1/c., Forrest L.

B. A., LL.B. University of Virginia. Lawyer. Oklahoma City, Okla. *Instructor*, College of Business.

Hungerford, 368914 Pvt. 1/c., Louis N.

A. B. Upper Iowa College, 4916. Instructor, Farm School, Allerey.

Hunt, 1424229 Pvt., Edward V.

B. S. Rose Polytechnic Institute. Engineer for Saguache Co, Colorado. Moffat, Colo. Instructor in mechanical engineering, College of Engineering and Division School.

Hunter, 1st Lt., Arthur.

Reading Pa. Supply Officer; College of Correspondence.

Hunter, Cpl., Douglas.

University of Minnesota, 2 yrs. Assistant manager, Lake Superior Paper Corp., Sault Ste Marie, Ont. *Instructor*, Post School.

Hurley, Major, Inf., Patrick J.

Lancaster, New Hampshire. Military Director.

Hutton, 2482750 Sgt. 1/c., Louis Percival.

Foyle College, Londondery, 1894. The Leys, Cambridge, England. Architect-engineer, Chairman Building Commission. Orlando, Fla. & 251 W. 99th St. New-York City. Instructor, College of Fine and Applied Arts.

Ingraham, 4st Lt. Inf., Malcolm R.

Poultryman. Instructor, Farm School, Allerey.

Ireton, Inf., Capt., Robert Emmett.

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Iverson, 2nd Lt. F. A., George William.

B. S. Iowa State College. Farm engineering editor, Orange Judd Co., Springfield, Mass. 3286 Wrightwood Ave., Chicago, Ill. Instructor, College of Engineering and Division School.

Jackson, George B. (A. E. C.).

A. B., A. M., Vanderbilt College, 1908, 1915. Professor and Dean, Wesley College, Tex. Greenville, Tex. Instructor in history, College of Letters.

Jacobosky, Major Engrs., Gilbert Garfield.

C. E. Lehigh University, 4907. Consulting Engineer. 244 So. Main St., Wilkes-Barre, Pa. Instructor in civil engineering, College of Engineering.

James, 2nd Lt. Inf., Charles A.

B. S. University of Wyoming; A. M. University of Missouri. Field agent, Great Western Sugar Co. Assistant Farm Superintendent, Farm School, Allerey.

James, 246403 Cpl., Walter P.

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Janney, 614210 Sgt., Jesse Douglas.

Randolph-Macon College. Eagle Roller Mills. Occoquan, Va. Instructor in mathematics, College of Correspondence.

Jenkins, David John (A. E. C.).

M. E., Cornell College, 1892. Engr. Maintenance, Semet Solway Co.. Syracuse, N. Y. 220 Center St., Milton Pa. Instructor in mechanical engineering, College of Engineering.

Jennett, 2nd Lt., Raymond Joseph.

University of Wisconsin. Secretary, Mutual Salary Guaranty Co., Streator, Ill. Instructor, College of Business.

Jerdan, Capt. Inf., Arlandus Leon.

B. S., Ala. Poly. Inst., 4943; B. S., U. of Mo., 4944; M. S. U. of Illinois, 4945. Beef Cattle Extension Agent, Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C. Red Bay, Ala. Instructor in animal husbandry, College of Agriculture.

Jewett, 2nd Lt. F. A., Harold Ernest.

A. B. Amherst College, 1914. Teacher of English, Englewood High School, New Jersey. C/o Mr. A. H. Gray, 91 Rolfe St., Eden Park, R. I. Instructor in English, College of Letters and Cadet College.

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A. B. University of North Dakota, 1917; graduate student, North Dakota Agricultural College. Stock farmer. Instructor, Farm School, Allerey.

Johnson, Frederick.

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Johnson, 1st Lt., John Bernhardt.

B. A. Northland College and University of Wisconsin, 1914. In charge of wholesale hardware warehouse. 214 12th Ave. Green Bay, Wis. Office of Registrar.

Johnston, Archibald Anderson (A. E. C.).

M. A., Princeton, 1910. Professor of economics, Geneva College. Beaver Falls, Pa. *Instructor in economics, College* of Letters.

Johnstone, 802310, Pvt. 1/c., Rutherford Thompson.

A. B. Geneva College, 1910. Head of Latin department, Ben Avon High School, Pittsburg, Pa., 100 Monitor Ave., Ben Avon, Pa. Instructor in English, College of Letters and Division School.

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Jordan, 1st Lt. Inf., Hovey.

M. S. Harvard, 1914; Austin Fellow, Harvard Graduate School. Jericho Center, Vermont. *Instructor in zoology*, College of Science.

Keene, Lydia Harriett (A. E. C.).

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Keith, Musician 1/c., Stanley J.

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Keller, Cpl., Spurgeon.

Teacher, Cullman Schools, Ala. Assistant instructor, Post School.

Kelly, 1st Lt., Carl L.

Hartford, Conn. Chaplain, Allerey.

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B. S., M. S., M. D. Assistant Professor of pathology and bacteriology, University of California, 4916. *Instructor in medicine, College of Medical Sciences*.

Kempton, 1st. Lt. C. A. C., Ralph Charles.

C. E. 1912. Instructor in architecture, College of Arts.

Kenerson, William Herbert (A. E. C.).

A. M. Harvard, 4906; M. E. Brown, 4896. Director of the Division of Engineering, Brown University, Providence, Rhode Island. Head of department of mechanical engineering, College of Engineering.

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King, Sgt., George F.

Missouri University, one year. Court stenographer. Assistant Division School.

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Kinnick, Otto Claude (A. E. C.).

A. B. University of Chicago, 4910; A. M. Indiana Unisity, 4943. Head of the department of English, Eureka College. Eureka, Ill. Instructor in English, College of Letters.

Kirkendall, 1st Lt. F. A., Edward T.

M. Sc. Ohio State University, 4916. Assistant Instructor in soils and crops, Purdue University. *Instructor in agronomy*, College of Agriculture.

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Knox College, one year. Manager finishing department, Gates Studio, Macomb, Ill. 305 Sherman Avenue, Macomb, Ill. Instructor in English, College of Letters.

Knox, Capt., William John, Jr.

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Kocher, Pvt. 4/c., Walter L.

B. S. in Ed. Muskingum College. Principal of the Shadyside High School, Shadyside, O. *Instructor*, *Division School*.

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Kolp, Cpl., Henry S.

Bookkeeper, National Biscuit Company. Lancaster, Pa. Assistant, Division School.

Kyle, 2180942 Pvt. 1/c., Homer Lewis.

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La Casse, 445443 Cpl., Joseph Thomas.

Levis College, Canada. Real estate and engineering. Instructor in French, College of Letters.

Lackey, Earl E. (A. E. C.).

A. B. University of Nebraska. Instructor, College of Education and Post School.

LaCouture, 1st Lt., Arthur Joseph.

B. S. Worcester Polytechnic Institute, 1917. Chemist at the Sewerage Purification Plant, Millbury. Mass. Instructor in civil engineering, College of Engineering.

LaFrance, 4808875 Bn. Sgt. Maj., Ervin Jay.

B. Pd. East Stroudsburg Normal School, 1915. Principal of Lawrenceville (Pa.) High School. Montrose, Pa. Instructor in rural economics and sociology, College of Agriculture.

Laird, Charles W. (A. E. C.).

Secretarial department, Temple University. Head of commercial department, Division School.

Lakin, 1st Lt., J. O.

Charlestown, West Virginia. Assistant Adjutant.

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Membre de l'Institute. Division of design., Bellevue.

Landry, 2nd Lt. F. A., Hypolite Theophele.

Cincinnati Conservatory of Music. Teacher of piano and band instruments. White Castle, La. Instructor in piano, College of Music.

Lane, Alfred Church (A. E. C.).

A. B., 1883; A. M., Ph. D., 1888, Harvard; M. C. M. Heidelberg, Germany; Sc. D. Tufts, 1913. Professor of geology and mineralogy, Tufts College. 22 Arlington St., Cambridge, Mass. Head of department of mining engineering, College of Engineering.

Lange, Capt. Inf., Otto F.

St. Paul. Minn. Commanding Officer, Provisional Regiment No. 21. Allerey.

Langlard, 1st Lt., Henri.

B. Th. Catholic University of Paris, 1900. Parish Priest. Seaside, Ore. Instructor in French, College of Letters.

Langston, 1st Lt. M. C., Wann.

M. D. University of Oklahoma, 1916. Associate Professor, clinical pathology, University of Oklahoma. Oklahoma City. Okla. Instructor in medicine, College of Medical Sciences.

Larcomb, 2931346 Pvt., Charles M.

A. B. Ohio Wesleyan, 4916. Head of science department, Bellevue, O. Ostrander, O. Instructor, College of Business.

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Course under Professor W. H. Moreland, Washington and Lee University, LL. B. Lawyer. Norfolk, Va. Instructor, College of Business.

Lavoillotte, Henri.

Brevet supérieur, Certificat d'aptitude pédagogique, Ecole Normal, Paris. Beaune, France Instructor in French, College of Letters.

Leach, 1st Lt. Inf., Oscar.

A. B. 4914; LL. B. 4916, University of North Carolina. Attorney at law. Raeford, N. C. *Instructor*, College of Business.

Leavell, 2399895 Sgt., William Henry.

B. C. S. Bowling Green Business University, 4911. Bookkeeper, credit and collection manager, Jas. K. Exall & Co. Paducah, Ky. Instructor, College of Business.

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Tulsa, Okla. Chaplain, 9th Area.

Leightner, Sgt. 1/c. Donald C.

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Leonard, Pearl. (A. E. C.).

B. S., A. B., Washington State College. Instructor, Washington State College. In charge of student activities, Farm School, Allerey.

Lester, 796269 Cpl., John Rush.

B. S. Emory College, 4914; E. E. Alabama Polytechnic Institute, 1915. Teacher, Western High School, Birmingham, Ala. Covington, Ga. Instructor in electrical engineering, College of Engineering and Division School.

Lester, 2nd Lt. F. A., L. Marvin.

A. M. Emory College. Principal, High School, Quitman, Ga. Assistant Director and Supply Officer, Post and Division Schools.

Lewis, 3212310 Pvt., Hester M.

B. S. Alabama Polytechnic Institute, 1917. Teacher of agriculture. *Instructor in agronomy*, Farm School, Allerey.

Lilienthal, 2490500 Sgt., John C.

Washington State Normal, 1916. Instructor, Manual Arts High School, Rosalia, Wash. Instructor in rural sociology, Farm School, Allerey.

Lindberg, Pvt. 1/c., Carl F.

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Lindquist, 2263305 Sgt., Rudolph Daniel.

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Linsley, Earl G. (A. E. C.).

A. B. Colgate University; M. S. University of California. Professor of geography and geology, Mills College, California. *Instructor in geography and geology, College of Science and Cadet College*.

Litsey, Capt. Inf., David R.

Springfield, Ky. Commanding Officer, Provisional Regiment No. 9. University Supply Officer.

Little, 176488 Musician, Earl A.

College of Fine Arts Syracuse University. Instructor in piano, College of Music.

Little, Francis K.

Rhinebeck, New York. Chaplain, Area 10.

Littrell, Sgt., Bryan L.

Assistant, Division School.

Lodge, Capt. D. C., Edward B.

D. D. S. University of Michigan, 1893. Practitioner. Cleveland, O. Instructor in dentistry, College of Medical Sciences.

Loman, Capt., H. B.

Trenton, Mo. Assistant Provost Marshall.

Long, Harriet Catherine (A. L. A.).

A. B. University of Nebraska, 4908; B. L. S. New York State Library School, 4910. Supervisor, A. L. A. Traveling Library Service for Mexican Border Troops. Madison, Neb. *Reference Librarian*. Loring, 2491402 Pvt., William R.

B. S. Massachusetts Agricultural College, 4918. Agricultural supervisor. *Instructor in agronomy, Farm School, Allerey*.

Lough, William Henry (A. E. C.).

A. B. 4901, A. M. 4902, Harvard University. President, Business Training Corporation, N. Y. City. 485 Madison Ave., New York City. Director, College of Business.

Love, 4252267 Cpl., William I.

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Lowe, Walter I. (A. E. C).

A. B. 4890, Ph. D. 4897, Yale. Professor, Wells College. Aurora, N. Y. Instructor in history, College of Letters.

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Lowell, Capt. M. C., Harry M.

M. D. Northwestern University, 1914. Fellow in surgery at Mayo clinic, Rochester, Minn. 6418 Drevel Ave., Chicago, Ill. Instructor, College of Medical Sciences.

Lowenstein, 1st Lt. Inf., Casper.

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Loyka, 562717 Pvt. 1/c., Adolph J.

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Ludwig, 437938 Sgt., Edward Roy.

B. S. 1911, M.S. 1912, University of Illinois. Plym. Trav. Fellowship, 1912-13. Architect. 147 Cecil St. S. E., Minneapolis, Minn. Instructor in architecture, College of Fine and Applied Arts.

MacClintock, William D., (A. E. C.).

B. A. Kentucky Wesleyan, 1878, M. A. 1880. Professor of English, University of Chicago. Chicago, Ill. Instructor in English, College of Letters.

MacCready, Capt. Inf., D. B.

Williboro, N. Y. Commanding Officer of Provisional Regiment No 8. MacKain, Capt., D., Mission Militaire Française. French Army. Instructor in French, College of Letters.

MacLean, Dolona R., Militarized Civilian.

Secretary, College of Medical Sciences.

MacNeal, 1st Lt. Inf., R. G.

Civil engineering, Pennsylvania R. R. Co. Librarian, Farm School, Allerey.

McAdams, Major, Inf., Ray.

LL.B., B.A. Ohio Northern 1905, Lawyer, Fort Wayne, Ind. Instructor, College of Law,

McBurney, James Edwin (A. E. C.).

Castellucho, Colorossi, Paris. Director, Interior Decoration, Southern Counties Commission, San Diego, Exposition. 4772 North Potomac Ave., Holywood, Cal. Instructor in painting, College of Fine and Applied Arts.

McCall, Arthur, G., (A. E. C.).

B. S. Ohio State University, 1900; Ph. D. Johns Hopkins, 1916. Professor of agronomy, Maryland State College. Instructor, College of agriculture.

McCarthy, 2719441 Musician, William P.

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McConaughy, 4950198 Pvt. 4/c., Harry C.

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McCue, 2nd Lt., James H.

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McCullagh, Caroline May (A. E. C.).

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McFarland, 1st Lt. Inf., Arthur W.

Columbia University. Instructor in architecture, College of Fine and Applied Arts.

McFarland, 1st Lt. F. A., William Philip.

Salesman; director of athletics, Chicago. Clifton, III. Instructor, College of Business.

McGee, 572059 Sgt. 4/c., Leonard F.

LL. B. Webster College, 1915. Lawyer. 3860 West Polk St., Chicago, Ill. Instructor, College of Business.

McKelvey, Capt. Inf., Joseph V.

B. A. Cornell, 4906, Ph. D. 4909. Instructor in mathematics, Cornell. Instructor in mathematics, College of Science.

McKillip, Major V. C., George B.

M. D. V., McKillip Veterinary College, 4908, Professor of veterinary surgery, McKillip Veterinary College. *Director of department of veterinary medicine*, College of Medical Sciences.

McLain, Major Inf., Ralph E.

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McPherson, R. J. (A. E. C.).

D. S. A. University of Florida, 1915. Principal, Middleboro (Fla.) High School. Instructor, Farm School, Allerey.

McWhorter, 2nd Lt. A. S., Ray S.

B S. Iowa state College, 1915. Farmer. Burt, Iowa. Instructor, College of Engineering and Division School.

Mack, 2071875 Cpl , James W.

B. A. University of Michigan, 1917. Valuation accountant, 1400 Broadway, Gary, Indiana. Instructor in economics, College of Letters.

Maddex, Sgt. 1/c, John W.

Macalester, St. Paul, Minn, Assistant, College of Agriculture.

Maguire, 21104 Sgt. 1/c., Walter R.

University of Wisconsin. Practical dairyman. Instructor Farm School, Allerey.

Maillet, Mlle.

Secretary, College of Agriculture.

Mankiewicz, 4617092, Pvt. 1/c., Herman J.

B. A. Columbia, 1916. New York Tribune. 44 St. Marks Place, New York City. *Instructor in English*, *College of Letters*.

Mann, 2nd Lt. C. O. R. D., Louis R.

Lit. B., Columbia, 1917. Editor. 28 Grove St., Cobleskill, N. Y. Instructor, College of Journalism.

Marks, Fay C. (A. E. C.).

B. A. Kansas State Normal College. Superintendent of schools, Wilson, Kans. Instructor, Post School.

Marqueste, Laurent.

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Marsh, Charles Davis (A. E. C.).

B. A., University of Rochester, 1908. Principal, Penn Yan Academy, Penn Yan, N. Y. Instructor in mathematics, College of Science.

Marshall, 1st Lt. C. W. S., Kenneth Irving.

B. A. Stanford University, 4913. Field engineer for Western Precipitation Company. 2331 Ocean View Avenue, Los Angeles, Cal. Instructor in mechanical engineering, College of Engineering.

Marshall, 2nd Lt. Inf., Lloyd.

University of Indiana. Reporter, Kokomo Daily Tribune. Russiaville, Ind. Construction Officer, College of Journalism.

Martin, 2nd Lt., Allen Wasey.

Tulane University, La. Highway engineer, Lake Charles, La. Assistant in Registrar's Office.

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Martinez, 1st. Lt Inf., Benjamin Zane.

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Mellinger, 2nd Lt., D. E.

Ephrate, Pa. Intelligence Officer.

Menial, Sgt., Alphonse. Mission Militaire Française.

Brevet Supérieur, Ecole Normal, 4908. Tutor. Angoulème, France. Instructor in French, Collège of Letters.

Merick, Capt. Engrs., Wendell S.

B. S. Michigan State Agricultural College, 4904. Contracting engineer, Work Manager Steel Co. 4363 Madison Park, Chicago, Ill. Instructor in mechanical engineering, College of Engineering.

Merriam, 485443 Sgt. 4/c., Carroll Fuller.

S. B. Harvard, 4944; B. S. Worcester Polytechnic Institute, 4946. Steam engineer. 90 Concord St., Framingham, Mass. Instructor in mechanical engineering, College of Engineering.

Merrill, Major Inf., Spencer A.

St. Louis, Mo. Commanding Officer, Provisional Regiment No. 10.

Merritt, 2nd Lt. F. A., Morris H.

B. S. University of Pennsylvania, 4912. Asst. purchasing agent, John T. Lewis and Bros. Co., Philadelphia. Abington, Pa. Secretary, College of Science.

Metcalfe, 563549 Pvt. 1/c., Thomas P.

B. S. Texas Agricultural and Mechanical College, 1944. Live stock specialist, Animal Husbandry Division, U. S. Department of Agriculture. Instructor in animal husbandry, Farm School, Allerey.

Mikesell, Pvt. 1/c., George C.

Teacher, New Gilford School. Assistant instructor, Post School.

Miles, Sgt. 1/c, Beverly H.

Instructor in architecture, College of Fine and Applied Arts.

Miles, 1st Lt. Inf., Ward R.

B. A. Ottawa University of Kansas, 4914; M. S. 4916; University of Chicago. Principal and instructor in science Onaga (Kansas) High School. Instructor in rural economics, College of Agriculture.

Miller, 1st. Lt. Inf., Edgar Allan.

B. A. Ohio State University, 1910. Instructor in chemistry, East Technical High School, Cleveland, O. Patraska, O. Instructor in chemistry, College of Science.

Miller, 1676750 Sgt., Joel L.

B. A. Harvard, 1916. 66 Harvard St., Malden, Mass. Instructor in English, College of Letters.

Miller, 3062065 Pvt., John Kunkelman.

Oberlin College. Special messenger, Texas Oil Co., Port Arthur, Tex. 8 Packard Ave., Greenville, Pa. Instructor, College of Music.

Miller, 2nd Lt., R. A.

Parkersburg, W. Va. Assistant Adjutant.

Miller, 2nd Lt. Trans. C., Richard C.

D. S. in Agr. Iowa State College. Instructor in agricultural engineering, Extension Service, Ohio State University. Instructor in agricultural engineering, Farm School, Allerey.

Miller, Pvt., Stanley R.

Northern Illinois State Normal College. Instructor, Division School.

Miller, 4st Lt. F. A., William B.

B. S. Brown University, 1917. Bethlehem Steel Company. 701 Third Street, Palmérton, Pa. Instructor in electrical engineering, College of Engineering.

Mills, 87399 Pvt., Bruce H.

B. S. University of California 4915. Sup., Testing Plant, American Ore Reduction Company, Perth Amboy, N. J. 2935 Lee St., Los Angeles, Cal. Instructor in Chemistry, College of Science.

Mills, William Hayne (A. E. C.).

B. A. Davidson College. N. C., 4892. Professor of rural sociology, Clemson Agricultural College. Clemson College, S. C. Instructor in rural economics and sociology, College of Agriculture.

Miner, 1st Lt. M. P. C., Lester W.

B. S. University of Illinois, 4914. Township High School, Belleville, Ill. Instructor, College of Agriculture.

Minnich, 2717563 Cpl., George F.

B. S. Pennsylvania State College, 4918. Instructor, Agricultural High School. Instructor in agronomy, Farm School, Allerey.

Mitchell, Blanche (A. E. C).

B. A. Smith College, 1914. Economic research and statistics, War Trade Board, Washington, D. C. 888 Asylum Avenue, Hartford, Conn. Assistant to the Registrar.

Mitler, Pvt. Albert J.

Chief Clerk, Union R. R. Co. The Bronx, N. Y. C. Clerical assistant, College of Education.

Mixer, F. G. (A. E. C.).

District Superintendent, International Correspondence School, General Field Supervisor, College of Correspondence.

Moise, 1st Lt. Inf., Sidney H.

B. S. Harvard, 1915; M. Arch 1916. Architect. 16 Ash Street, Cambridge, Mass. Instructor in architecture, College of Fine and Applied Arts.

Monges, Henry B. (A.E.C.).

B. S. and M. S., University of California. Architect. The Miltimore, Toledo, Ohio. Instructor in architecture, College of Fine and Applied Arts.

Monteanu, Eliane.

Licenciée ès-lettres, Sorbonne 1916. Instructor in French, College of Letters, assistant secretary to the Educational Director.

Moore, Benjamin C. (A.E.C.).

Illinois Normal University; Harvard; University of Illinois. Supt. of Schools. Instructor, College of Education and Post School.

Moore, Pvt. 1/c., Harry W.

Ph. B. Lafayette College. Principal, High School, Roselle, N.J. Instructor, Division School.

Morgan, 1st Lt. San. C., James Franklin.

B. A. St. Lawrence University, 4903. M.A. 4906. Research associate in bacteriology, Michigan Agr. Exper. Sta. East Lansing, Mich. Instructor in chemistry, College of Medical Sciences.

Morrell, 2131766 Pvt., Melvin H.

University of Illinois, 2 yrs. Advance register work in creamery. Instructor Farm School, Allerey.

Morris, 1st Lt. A. S., Thomas K.

B. S. Texas Agricultural and Mechanical College, 4916. Farmer. Valley Mills, Tex. Instructor in Agronomy, College of Agriculture.

Morrow, Major D. C., Henry.

D.D.S. University of Iowa, 1897. State Supervising Dental Surgeon. 609 Summitt St., Iowa City, Ia. *Instructor in Dentistry, College of Medical Sciences*.

Moser, 3353394, Sgt. Homer O.

B. A. Bluffton College, 1917. Instructor in science and mathematics, Armington High School, III. Bluffton, O. Instructor in zoology, College of Science.

Moses, 1st Lt. F. A., John C.

University of California. 1627 Gramercy Place, Los Angeles, Cal. Supply Officer, University Library.

Mott, Cpl., William A.

Tuskegee Normal and Industrial Institute, 1914. Superintendent of Boys' Industrial Department. Tillotson College, Austin, Tex. Assistant instructor, Post School.

Moulton, Capt. M. G. Bn., George L.

Alabama Polytechnic Institute. Construction engineer for E. B. Kay, Eng. & Cont. Co., 4264 Dauphin St., Mobile, Ala. Instructor in civil engineering, College of Engineering.

Moyer, 2710345 Pvt., David Earl.

Student, Berlin, Germany. Director of piano dept., Bucknell University. 25 North 34th St., Philadelphia, Pa. Instructor, College of Music.

Mueller, 236409 Sgt. 1/c., John Amos.

B. S. Lehigh University, 4914; M. S. 4915. Inspector, Bethlehem Steel Company. Watertown, Wis. *Instructor in mathematics*, College of Science.

Muldrow, 2nd Lt. Inf., Milton W.

B. S. in Agr. University of Missouri, 1916. Instructor in animal husbandry, State Agricultural School, Monticello, Ark. Instructor in animal husbandry, Farm School, Allerey.

Mundem, 2nd Lt. San. C., Guy O.

Pharmacist. 809 Sheridan Avenue, Tacoma, Wash. Instructor in pharmacy, College of Medical Sciences.

Murphey, Eugene Morrison (A.E.C.).

B. A. Bethel College, 1894; M. A. 1906; University of Chicago. Head of department of English, Tennessee State Normal College. Murfreesboro, Tenn. Instructor in English, College of Letters.

Murphy, 1st Lt. F. A., Earle N.

Missouri School of Mines. Mgr. Vinita Auto Co. Vinita, Okla. Instructor, College of Engineering and Division School.

Murphy, Herbert H. (A.E.C.).

A. B. Western Maryland College; A. B. Columbia University; A.M. Johns Hopkins University. Superintendent of schools, Hastings-on-the-Hudson, N. Y. 62 Farragut Ave., Hastings-on-Hudson, N. Y. Instructor, Department of Citizenship.

Murphy, 1st. Lt. C. W. S., Ray V.

B. S. Illinois Weslyan; 4912. M.S. University Wisconsin 4916. Research chemist, Mellon Institute, Bloomington, Ill. Instructor in chemistry, College of Science.

Muttkowski, 3369432 Cpl., S. C., Richard Anthony.

B. A. St. Lawrence College. 4904; Ph. D., University of Wisconsin, 4946. Instructor in zoology, Kansas State Agricultural College, Manhattan, Kans. Instructor in zoology, College of Science.

Myers, 2nd Lt. F. A., Frederic Irwin.

B. A. Indiana University, 4914; M. A., 4915. Instructor in University of Illinois. Geneva, Ind. Instructor in French, College of Letters.

Nace, 2414616 Cpl., Mark William.

West Chester State Normal School, 1912; Pierce Business College; Temple University. Manager, Cost Department, American Steel Fidelity Co., Chester, Pa. Hanover, Pa. Instructor, College of Business.

Nadler, 3108129 Pvt., Aaron Morris.

B. S. Cornell University, 4917. Brooklyn Union Gas Company, Brooklyn, N. Y. 413 Stratford Road, Brooklyn, N. Y. Instructor, College of Business.

Nance, 4574580 Cpl., Wiley Finney.

B. S. University of Illinois, 4912. University of Wisconsin, 4915. First assistant to field engineer, Freyn Brassert Bacon & Co., Chicago, Ill. Carmi, Ill. Instructor in civil engineering, College of Engineering.

Nash, 1st Lt. Inf., Herman B.

B. S. Massachusetts Agricultural College, 4917. Garden supervisor, Andover, Mass. Instructor in horticulture Farm School, Allerey.

Neffendorf, Pvt. 1/c., Alfred.

Sam Houston and Texas State Normal. Teacher, Gillespie County, Tex. Assistant instructor, Post School.

Nelson, 2nd Lt. Engrs., Ira I.

A. B. University of Texas. 1910. Assistant Principal of Senior High School, Austin, Tex. San Marcos, Tex. Instructor in mathematics, College of Science and Assistant Director, Cadet College.

Nelson, 2936488 Pvt. 1/c., Thomas Hardester.

Cornell, Manager, John S. Spoon & Co., Rental Dept. Altinburg Hotel, Indianapolis, Ind. Instructor, College of Business,

Neumann, 1st Lt. San. C., John.

B. S. University of Minnesota, 4910; Ph. D. University of Wisconsin, 4917. Department of pathology and bacteriology, University of Wisconsin. 633 Hudson Street, Eau Claire, Wis. Head of the department of public health and hygiene, College of Science.

Newport, 2186251 Pvt. 1/c., Virgil Jackson.

A. B. William Jewell College, 4916. Principal, Kenneth High School. Malden, Missouri. *Instructor in physics*, College of Science.

Nichols, 81300 Cpl., Horace Harmon.

Montana State Agricultural College, 4908. Hostler, Northern Pacific Railway. Logan, Mont. Clerk, Registrar's Office.

Noirot, Soldat 2e cl., Jules Pierre.

Nuits-Saint-Georges, certificate d'etude, 4908. Dijon, France. Instructor in French, College of Letters.

Norris, Pvt. 1/c., Isaac S.

Alcorn Agricultural and Mechanical College, 3 yrs. Teacher and machinist helper. Assistant instructor, Post School.

Norris, Lt. Col. C. W. S., James Flack.

A. B. Johns Hopkins, 1892; Ph. D., 1895. Professor, general chemistry, Massachusetts Institute of Technology. Mass. Inst. Tech., Boston, Mass. Head of Department of chemistry, College of Science.

Norris, 2nd Lt. F. A., William Ruggles.

B. S. Davidson College, 4914. Chemist, Tenn. Coal & Iron Co., Bi-Product Works, Birmingham, Ala. 406 Oakland Ave., Rock Hill, S. C. Instructor in chemistry, College of Science.

Northrop, Major Inf., George Norton.

B. L. Minnesota University, 1901; M. A., 1903. Student, Oxford University, England. Lecturer in University of Minnesota. 2213 Grand Ave., Minneapolis, Minn. Instructor in English, College of Letters.

Nutting, 3489926 Pvt. 4/c., J. Morley.

A. B. Oberlin College; A.M. Pennsylvania State College. Instructor in geography and geology, Pennsylvania State College. 9277 Amesbury Ave., Cleveland, O. Instructor in geography and geology, College of Science.

O'Brien, Capt., Gregory.

404 East 177th Street, New York City. Senior Chaplain.

O'Brien, 188090 Sgt., Thomas L.

University of Michigan. Member, City Council of Los Angeles. Los Angeles, Cal. Clerk, Registrar's Office.

Odom, 2nd Lt. Inf., Alfred D.

A. B. University of South Carolina; A.M. University of South Carolina. Principal of High School, Congaree, S. C. Instructor, Division School.

O'Donnell, Pvt. 1/c., Michael J.

A. B., C. B. C. College, Memphis, Tenn. Teacher in High School, Xavier College, N. J. Assistant instructor, Post School.

Olston, 1st Lt. QMC., Herbert Leroy.

A. B. University of South Dakota, 1909. Cashier, First National Bank, Lake Preston, S. D. Lake Preston, S. D. Instructor, College of Business.

Oman, 2084949 Pvt., Emil A.

B S. University of Minnesota, 1916. Teacher of high school agriculture. Instructor Farm School, Allerey.

O'Reilly, 1st Lt., J. P.

Instructor in architeture, College of Fine and Applied Arts.

Osborne, 4237746 Pvt., Dwight H.

North Carolina State College of Agriculture and Engineering. Farmer. Instructor in animal husbandry, Farm School, Allerey.

Oser, Pvt., Fred.

New York University. Chief timekeeper. Instructor, Division School.

Oster, 2916675 Pvt. 1/c., Clifford Carl.

B. S. in E. E. Oklahoma University, 4916. Assistant Engineer, Rules and Methods, S. W. B. T. Co. Hobart, Okla. Instructor in electrical engineering, College of Engineering.

Otis, Daniel H.

Instructor in rural economics and sociology, College of Agriculture.

Otto, 1st. Lt., Alfred C.

Leland Stanford University, Columbia University. Supply Officer, College of Fine and Applied Arts.

Outlaw, 1st Lt. Inf., Sidney B.

Southwestern Presbyterian University. Kentucky Leaf and Transit Co. Paducah, Ky. Instructor in horticulture, Farm School, Allerey.

Oxley, 3706175 Pvt., Lawrence T.

Illinois State Normal University. Teacher, public schools, Illinois. 406 East Cherry St., Normal, Ill. Instructor in agriculture, College of Correspondence.

Parent, 2814539 Cpl., Charles William.

State Normal, Oshkosh, Wis., 1912. University of Wisconsin, 1913-16-17. Instructor, industrial branches, High School, Fargo, N. D. Florence, Wis. Instructor in mechanical engeneering, College of Engineering and Division School.

Parker, Capt. Inf., Roscoe Edward.

A. B. University of North Carolina, 4915; A. M., 4915. Executive Secretary N. C. State Department, Raleigh, N. C. Box 741, Raleigh, N. C. Instructor in English, Cadet College and Assistant Director, College of Letters.

Parker, Major Inf., William Hammond.

Ph. D. Bucknell University. Ph. D. University of Cincinnati, 1910. Department of political and social sciences, University of Cincinnati. Cincinnati, O. Director, College of Letters.

Paterson, Archibald (A.E.C.).

A. B. Belfast University, 4904; M. A. Chicago University, 4910; Licentiate College, London. Teacher of English, Englewood High School, Chicago, Ill. 6947 Princeton Ave., Chicago, Ill. Instructor in English, College of Letters.

Patterson, Major, Inf.

Natchey, Mississipi. Commanding Officer, 323rd Infantry.

Patterson, Mabel (A.E.C.).

A. B., Barnard, 1914. 210 Riverside Drive, New York City. Secretary, College of Fine and Applied Arts.

Pattrick, 1st Lt. Engrs., John II.

A. B. University of Missouri, 1912; B. S., 1912. University of Chicago, 1915-16. George Washington University, Law School, 1916-17. Teacher, Commercial Department, Eastern High School, Washington, D. C. Higbee, Mo. Head of department of commercial law and instructor, College of Business.

Payson, 2200451 Sgt., Edwin B.

A. B. University of Wyoming, 4947. Teaching Fellow, Washington University. Instructor in botany, College of Science.

Peare, 1st Lt. QMC., Howard Blackstone.

Columbia University, Certificate of Proficiency in Architecture, 1917. Draftsman, George B. Post & Sons, Architects, New York City. Park Ave., Sound Beach, Conn. Instructor and librarian, College of Fine and Applied Arts.

Pearl, 2nd Lt., QMC. Llyod M.

Johnson, Vermont. Laundry Officer.

Peck, 2430319 Pvt. 1/c., Raymond R.

B. S. Ohio State University, 1917. Farm manager. Instructor in horticulture, Farm School, Allerey.

Peck, 2nd Lt A. S., Sedley Clarence.

M. A. Leland Stanford, Jr. University, High School Principal. San Mateo, Cal. Assistant Director, Department of Citizenship.

Peirce, Frances (A.E.C.).

Beechwood Collegiate Institute. Secretary to Superintendent of Schools, Westfield, N. J. 436 N. Euclid Ave., Westfield, N. J. Assistant secretary to the Educational Director and assistant in Division School.

Peixotto, Capt. Engrs., Ernest.

Head of departement of painting. Bellevue.

Pekar, 3229077 Cpl., Joseph.

University of Nebraska. Ex. 1918. Managing Editor, « The Ord. » Journal. Ohiowa, Neb. Instructor, College of Journalism.

Peltier, Capt. F. A., Victor M.

B. S. University of California, 4912. Agricultural Engineer. San Francisco, Cal. Instructor in rural economics and sociology, College of Agriculture.

Penney, Mark E. (A.E.C.).

A. B. London University; S. T. B. Boston University; Ph. D., M. D. Cornell University; Dean Teachers College, Syracuse University. Syracuse, N. Y. Instructor, College of Education.

Perry, 2nd Lt. F. A., Horace Mitchell.

A. B. Swarthmore College, 1916. Instructor in economics, College of Correspondence.

Perry, 2nd Lt. F. A., John Richard.

Rutgers College. Inspector for Mommouth County Mosquito Commission of New Jersey. Box 227. Fair Haven, N. J. Instructor in animal husbandry, College of Agriculture.

Peterson, 967884 Sgt. 4/c, Irving L.

Univerversity of Illinois. Principal of public schools, Maywood, Ill. 326 So. 6th St., De Kalb, Ill. Instructor in horticulture and forestry, College of Agriculture.

Petit, 3508358 Sgt., Serge P.

B. L. Lycée Janson de Sailly, Paris. Instructor in French, College of Letters.

Petty, 2nd Lt. Inf., DeWitt Talmage.

B. Ed. Illinois State Normal University, 4914. Principal of high school, Monmouth, Ill. Lawrenceville. Ill. Instructor in geography and geology, College of Science.

Pfaltz, 2407329 Pvt. 4/c., Hugo Menzel.

Rutgers College. 46 Girard Place, Newark, N. J. Assistant in chemistry, College of Science.

Phillips, 158500 Pvt. 1/c., James W.

B. A. Carnegie Institute of Technology, 1917. Oberlin College. A. W. Smith, Landscape Architects. Centerville, Pa. Instructor in architecture, College of Fine and Applied Arts.

Phipps, 1st Lt. Inf., Richman.

Michigan, University. Experimental laboratory. Buick Auto Co. Instructor, Farm School, Allerey.

Phipps, 2471739 Pvt., Walter Blaine.

A. B. University of Virginia, 4911; J. D. University of Chicago, 4916. Lawyer. Clintwood, Va. *Instructor*, College of Law.

Pingault, Aspirant, Jean, Mission militaire Français.

Chambary, Savoie, France. Instructor in French, College of Letters.

Plamondon, 3286730 Sgt., George Octave.

B. S. in C. E. University of Wisconsin. Structural Designer, Crowell, Lundoff, Little Co. 716 So. Kildare Ave., Chicago, Ill. Instructor in civil engineering, College of Engineering.

Platt, 1st Lt. San C., Philip S.

Instructor, Department of Citizenship.

Poepelmeyer, Cpl., Ernest A.

Cape Girardeau Normal, 2 yrs. Teacher. Assistant instructor, Post School.

Pointer, 1st Lt. F. A., Tom Watson.

University of Michigan. Accounting Department, Nashville Terminal R. R., Nashville, Tenn. 214-3rd Ave., Franklin, Tenn. Instructor in mathematics. Gollege of Science.

Polier, 2nd Lt. F. A., David Solomon.

A. B. University of South Garolina, 4916. LL. B.; University of South Carolina, 4917. Lawyer. Aiken, South Carolina. *Instructor in economics, College of Letters.*

Ponder, 291276 Wagoner., John Louis.

B. S. University of Mississipi, 4917. Superintendent of Schools, Webb, Miss. Beach, Miss. Instructor in mathematics, College of Science.

Porter, Regt. Sgt. Maj., Chalmer O.

Cashier (Manufacturing firm). Assistant instructor, Division School.

Portier, Lt., Edouard J.

M. A. Université de Lyon, Agrégé de l'Université. Professeur au lycée du Puy. Saint-Benoit-du-Sault, France. Instructor in French, College of Letters.

Pottle, 753860 Cpl., Fred Albert.

A. B. Colby College, 1917. Instructor in English and history, Hebron Academy, Me. East Otisfield, Me. Instructor in chemistry, College of Science.

Pound, 2nd Lt. Engrs., Joseph Horace.

B. S. in M. E. University of Missouri, 4913. Ranking instructor in mechanical engineering, Rice Institute, 3200 St. Mary's Ave., Hannibal, Mo. Instructor in mechanical engineering, College of Engineering.

Powell, William Edmund (A. E. C.).

Bethany College. Preacher. Newport News, Va. Instructor in geography, Gadet College, assistant, College of Agriculture.

Prashker, 2880396 Sgt., Louis.

A. B. College of City of New-York, 1913; J. D. New-York University Law School, 1917. Lawyer. 200 West 111th St., New York City. Instructor, College of Law,

Preston, Capt. Inf., Eugene E.

Ph. G. Ohio Northrn University, Ada, Ohio. Instructor in pharmacy, College of Medical Sciences.

Pride, Capt. Inf., Hammond.

A. B. Amherst, 4913. Instructor in mathematics, New-York University. 302 Franklin St., Quincy, Mass. Instructor in mathematics, College of Science.

Prince, Sgt., Henry M.

Assistant in architecture, College of Fine and Applied Arts.

Prince, 782341 Sgt. 1/c., Nathan Frank.

A. B. Boston University, 4916; B. B. A., 4916. Chief Field Auditor, Construction Div. Signal Corps. Richmond, Va. Instructor, College of Business.

Prindeville, 2nd Lt. F. A., Charles T.

A. B. Harvard College, 1918. Instructor in rural economics and sociology, College of Agriculture.

Pruner, Capt. QMC., Harry Paul.

A. B. Ohio State University, 1908. Assistant auditor, Dime Savings Bank, Detroit, Mich. Detroit, Mich. Assistant Registrar.

Purington, 250847 Pvt. 1/c., James A.

B. S. New Hampshire State College, 1916. Assistant, Massachusetts Agricultural and Mechanical College. Instructor in field crops, Farm School, Allerey.

Quick, Master Engr., Charles D.

A. B. University of Pennsylvania, 4897; B. S. University of Pennsylvania, 4901. Manager. Bold Mountain Portland Cement Companny, Rome, Ga. Instructor in mining engineering, College of Engineering.

Radford, 1st Lt. Inf., Bailey A.

B. S. McLean University, 1913. Farmer. Assistant farm superintendent, Farm School, Allerey.

Ralston, 1980663 Regt. Sup. Sgt., Davis T.

LL. B. Vanderbilt University, 1916. Lawyer, Glasgow, Kentucky. Instructor, College of Business.

Rang, 1673019 Pvt. 1/c., Constan E.

Graduate, Art Institute, Chicago, 4908. 649 City Hall Square Bldg., Chicago, III. Instructor in decorative and commercial art, College of Fine and Applied Arts.

Rassmann, 783176 Cpl., Ernest F.

Agricultural and Dairy School, Massachusetts Sate College. President and general manager, Greenwood Ice Cream Co. Instructor in dairying, Farm School, Allerey.

Rauth, 2nd Lt., C. W. S., John W.

B. A. Mt. St. Mary's College, 4913; Johns Hopkins University, M. A. 4917. Professor of chemistry, Mt. St. Mary's College, Hagerstown, Md. Instructor in chemistry, College of Science.

Ray, 2704244 Sgt., George Sheffield.

Manager, Sales Promotion Dept. Christie-Grant Ltd., Winnipeg Man. Can. 3311 Eleventh St., N. W., Washington, D. G. Instructor, College of Business.

Ray, Capt. Engrs., Horatio C.

B. S. in E. M. Pennsylvania State College, 1904. M. E. University of Pittsburgh, 1912. Prof. of ore dressing and metallurgy, University of Pittsburgh. 5853 Douglass Ave., Pittsburgh, Pa. Instructor in mining engineering, College of Engineering.

Raymond, 2nd Lt. Engrs., Phillip E.

B. S. in M. E. University of Nevada, 4915. With Southern Pacific R. R. Co. 814 Oxford St., Berkeley, Cal. Instructor in mechanical engineering, College of Engineering and Division School.

Reagan, 1st Lt., Oliver E.

Architecture and City Planning. Bellevue.

Reap, 2st Lt. Inf. Charles, Augustus.

B. A. Trinity (N. C.); M. A. 1917. Teacher in Trinity Park School. Albemarle, N. C. Instructor in economics, College of Letters.

Reaves, Pvt. 1/c., Harry A.

Telegraph operator. Instructor, Division School.

Reber, Louis E. (A. E. C.).

B. S., M. S., D. Sc., Pennsylvania State College. Massachusette Institute. Technology. Dean, Extension Division, University of Wisconsin. Madison, Wis. Director, College of Engineering.

Reese, A. Cornelia (A. E. C.).

B. S. Simons, 1911. Secretary to Dean of Smith College. Milford, N. H. Secretary, College of Agriculture.

Reeves, Colonel, Inf., Ira Louis.

C. E., Litt. D., LL. D. President Norwich University, Northfield, Vermont. Washington, D. C. President and Commanding Officer.

Regard, 2nd Lt. F. A., Leon Joseph.

B. S. College of the City of New York, 1915. Instructor, High School of Commerce, N. Y. 4541 Webster Ave., Broux, N. Y. Supply Officer, College of Business.

Register, Cpl., Albert P.

B. A. Presbyterian College (S. C.) Instructor in chemistry, Presbyterian College. *Instructor, Division Schools*.

Rehm, Capt. F. A., Harold Whitaker.

B. S. Princeton, 4915. Instructor in mathematics, U. S. Naval Academy, 2026 North Second Street, Philadelphia, Pa. Instructor in mathematics, College of Science and Supply Officer Cadet College.

Reiley, 2nd Lt. Inf., R. G.

Instructor in voice, College of Music.

Rembert, Esther G. (A. E. C.).

Secretary, College of Fine and Applied Arts.

Renn, 2nd Lt., Oscar M.P.C.

B. P. Springfield Normal College, 4914. Missouri University. Supt. of Schools, Summerville, Mo. Instructor in history, College of Letters and Cadet College.

Rennie, 781348 Sgt., James H.

A. B. University of Pennsylvania, 1911. Head of Latin department, Chester, Pa. 616 W. 5th St., Chester, Pa. Instructor in Latin, College of Letters.

Replat, 1st Lt. Chaplain, Emile G. O.

La Salette College, Professor. La Salette College, Hartford, Conn. Instructor in Latin, College of Letters.

Reynosa, Sgt. Bugler, Nieves.

Art School, Opera House, Mexico City and San Antonio, Texas. 611 San Jacinto St., El Paso, Texas. *Instructor*, College of Music.

Rice, 2nd Lt. Inf., Ralph M.

Supply Officer, department of architecture, College of Fine and Applied Arts.

Richardson, Caroline Francis (A. E. C.).

B. A. Newcomb College, 4905, M. A. 4906. Assistant professor of English, Newcomb College. 3123 Coliseum St., New Orleans, La. Director of Women; instructor in English, College of Letters.

Richardson, 1st Lt. Inf., Stephen Morse.

B. S. Massachusetts Agricultural College, 1918. Foreman with Wyman Bros., Market Gardeners, Arlington, Mass. The Homestead, Wellesley, Mass. Instructor in horticulture and forestry, College of Agriculture.

Ricker, 82124, Pvt. 1/c., Walter Morrill.

Great Falls Vulcanizing Co. 445 W. 5th St., Long Beach, Cal, Clerk, Office of the Registrar.

Ridgley, Douglas C., (A. E. C.).

Instructor in geography and geology, College of Science and Cadet College.

Riggin, Lt. Col. M. C., Levi Lore.

M. D. University of Pennsylvania, 1900. Assistant to Professor of clinical surgery, University of Southern California. Pasadena, Cal. Instructor in physiology, College of Medical Sciences.

Riley, Franklin Lafayette (A. E. C.).

A. B. Mississipi College, 1889; A. M. 1890; Ph. D. Johns Hopkins, 1896; LL. D. University of Mississipi, 1915. Professor of history, Washington and Lee University. Instructor in history, College of Letters.

Riordan, 1st Lt. Inf., Edmund Owen.

Marist College. Sales & Adv. Manager, McCommons-Thompson Co., Athens, Ga. 67 Jones Avenue, Atlanta, Ga. Instructor, College of Business.

Ritchie, 1st Lt. Inf., R. M.

B. S. North Carolina State College of Agriculture and Engineering, 1916. Wilson County Farm Life School. *Instructor in soils, Farm School, Allerey*.

Ritter, 2nd Lt. F. A., Carl Antony.

University of Colorado; Massachusetts Institute of Technology; Harvard. With McKim, Mead and White, Architects, N. Y. Denver, Colorado. Instructor in architecture, College of Fine and Applied Arts.

Roberts, 1114258 Pvt. 1/c., Clarence Rufus.

Polytechnic College, Ft. Worth, Tex. University of Texas. Principal, Bowie (Tex.) High School. 458 College Ave., Norman, Okla. Instructor in mathematics, College of Science.

Robinot, 1221222 Cook, David Hirsh.

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Robins, 2nd Lt. Inf., Ernest A.

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B. S. Southern University, 1916. Peabody College for Teachers, 1918. Principal, high school, Troup, Tex. Assistant instructor, Post Schools.

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B. C. S. N. Y. University, 1917. Senior Public Accountant. Darien, Conn. Instructor, College of Business.

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Waller, Elbert (A.E.C.).

Ph. B., A. M. State Normal and Ewing College. Superintendent of Schools, Grayville, III. *Instructor*, College of Education and Post School.

Waltz, Lt., Louis Adolphe Henri, Mission Militaire Française.

Instructor in French, college of Letters.

Ward, 306067 Cpl., Thomas P.

American Institute of Banking, N. Y. City. Head Paying Teller, Foreign Exchange, National City Bank of New York. 231 Whiton St., Jersey City, N. J. Instructor, College of Business.

Warren, 1675 836 Pvt., James J.

D. S. Massachusetts Agricultural College. 1917. Agricultural Supervisor. *Instructor in horticulture, Farm School, Allerey*.

Warren, Lloyd.

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Warren, Pvt., Richard C.

Bluefield City Institute. Student, Miharry College of Pharmacy. Assistant instructor, Post Schools.

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B. S. University of California, 1910. Graduate student, Chicago University; Harvard University. Principal Whittier School, Berkeley, Cal. 2646 Dwight Way, Berkeley, Cal. Assistant to the Registrar. Director of Cadet College.

Warren, Major Inf., Shields.

Florida Normal Institute. Military Adisor, College of Fine and Applied Arts.

Watrous, Maj. Inf., Livingston.

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Watters, Wilford (A.E.C.).

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Watts, 239246 Sgt. 4/c., Otto O.

A. B. Simmons College, 1913; A.B. Rice Institute, 1916. Principal, Groveton (Texas) High School. 921 Orange St., Abilene, Tex. Instructor in chemistry, College of Science.

Weckerly, 2425699 Sgt., Mark A.

B. S. in E. E. Purdue University, 1916. Mechanical and electrical designer for the Toledo Scale Co. Whitehouse, Ohio. Assistant instructor in mechanical engineering, College of Engineering.

Weed, 4064579 Cpl., Arthur R.

B. S. in A. H. Iowa State College, 4918. Field Editor, «Orange Judd Farmer ». 609 So. Second St., Mankato, Minn. Assistant, College of Agriculture.

Wehe, Roxana Wales (A.E.C.).

Private student with Mme. Zeisler. Private instructor. 5256 Golden Gate Ave., Oakland, Cal. Instructor in piano, College of Music.

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B. S., M. S., Alabama Agricultural and Mechanical College, 1914, 1915. Alabama Experiment Station, Auburn, Ala. Montgomery, Ala. Supply officer, College of Agriculture.

Wentworth, Capt. G. H. Q.,, Edward N.

B. S. A. Iowa State College, 1907; M. S. Iowa State College, 1909; Cornell University, 1908. Harvard University, 1912. Professor of animal breeding, Kansas State. Agricultural College. Manhattan, Kansas. Head of department of animal husbandry. Assistant Director, College of Agriculture.

Wheeler, 2nd Lt. Engrs., Frederick Smith.

B. S. in C. E. University of Vermont, 4913. Location Chief, Res. Engineer, Highways. So. Burlington, Vt. Instructor in civil engineering, College of Engineering.

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Peabody Institute. Head of department, Music School, Northwestern University. Instructor in violincello, College of Music.

Whitford, Edward E. (A.E.C.).

Ph. D. Columbia University. Teacher of mathematics at College of City of New York. *Instructor in mathematics*, College of Science.

Whitney, 2040100 Pvt., Francis Edward.

University of Wisconsin, 1914-17. 631 Stowell Ave., Milwaukee, Wis. Assistant in physics, College of Science.

Wiest, 2847165 Pvt. 1/c., Vern Mont.

University, of Nebraska, 1913-17. Principal of high school, Meadow Grove, Neb. Swanton, Neb. Instructor in physics, College of Science.

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916 Clay Street, Cedar Falls, Ia. Instructor, Division School and college of correspondence.

Williams, Sgt., Avory.

Allegheny College, 4 yr. Teacher. Assistant instructor, Post School.

Williams, 2nd Lt. Inf., Colley Eugene.

Southwestern University, LL.B. Columbia University, 4917. Assistant department of history, Columbia University, 49 Chestnut St., Flushing, N.Y. Head of department of political science, College of Letters.

Williams, Ethel M. (A.E.C.).

A. B. Cornell, 4912. Secretary, Cornell. 445 Valentine Place, Ithaca, New York. Secretary, College of Education.

Williams, 1287460 Sgt., Hugh.

University of Virginia. American Vice-Consul to Cuba, 4915-46, Instructor, College of Business.

Williams, 1st Lt. Inf., J. F.

Pierce, City, Mo. Assistant Adjutant.

Williams, Robert Day (A.E.C.).

B. S. Pomona College, 4902; M. A. University of California; M. A. Yale University, 4907. Ph. D. Yale University, 4909. President Mid-Pacific Institute, Honolulu, Claremont, California. Head of department of psychology, College of Science and Cadet College.

Williams, 1295201 Cpl., Winthrop.

University of Pennsylvania, 1914-15. Managing Editor, « New Orléans American. » Vineland, N. J. Instructor, College of Journalism.

Williford, 2nd Lt. Inf., Earl Southworth.

Mississippi Agricultural and Mechanical College. Instructor in general agriculture, College of Agriculture.

Wilson, Major, M. C., Frederick N.

New York Yacht Club, New York City. Sanitary Inspector.

Wilson, 934339 Pvt. 1/c., Frederick Fairchild.

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Wilson, Sgt. Maj. Guy Douglas.

Baylor University, Ex. 4912. News Editor « Fort Worth Record ». 709 N. 5th St., Waco, Tex. Instructor, College of Journalism.

Wilson, Pvt., Madison M.

Rural school teacher. Assistant instructor, Post Schools.

Winters, 1st Lt. T. C., Fred C.

Coast Artillery School, Instructor in electrical engineering, Coast Artillery Corps. Adress: Adjutant General, U.S.A. Instructor in electrical engineering, College of Engineering.

Winton, 3063557 Pvt. Arney.

B. S. East Texas Normal College, 1912. Teacher. Instructor in agronomy, Farm School, Allerey.

Wisman, P H. (A. E. C.).

A.B. Washington and Lee University. Graduate Student, Harvard University. Head of department of history and economics. Roanoke Woman's College. *Instructor*, *Division School*.

Wolff, 2nd Lt. Inf., Allen C.

B. S. in Ag. Engr., University of Minnesota. Instructor, College of Agricultural Engineering University of Minnesota. Hector, Minnesota. Instructor in Agronomy, College of Agriculture.

Wolfford, Major, Luke Peyton (M.P.C.).

C. E. Kentucky State College. Office manager, National Lamp Work, Cleveland, O. 141 Gordon Ave., Hamilton, O. Instructor, Division School.

Wood, 1st Lt. F. A., Frederick.

A. B., 1915; M. A., 1916. University of Wisconsin. Instructor in mathematics, University of Wisconsin. Madison, Wis. *Instructor in mathematics, College of Science*.

Wood, Capt. Engrs., Harry Peterman.

B. S. in E. E. Pennsylvania State College. President, Academic Board, U. S. Army School of Military Aeronautics. 186 Park Avenuc, Atlanta, Ga. Head of department of electrical engineering, College of Engineering.

Wood, Pvt., Stanley H.

Trenton School of Industrial Arts. Drexel Institute. Instructor in industrial and commercial art, College of Fine and Applied Arts.

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Woolridge, Cpl., Earl F.

Montana State College, 3 yrs. Montana Experiment Station, soil expert. *Instructor in agronomy*, Farm School, Allerey.

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Kalamazoo, Michigan. Commanding Officer, Provisional Regiment, No. 11.

Wrooke, Pvt., Melvin S.

St. Olaf College, 2 yrs. Rural teacher. Assistant instructor, Post Schools.

Yates, 18086, Sgt. 1/c., Stanley.

A. B. (With Honors) Oxford University, 4914. Instructor, Moran School for Boys, Rolling Bay, Washington. Roland Bay, Washington. Instructor in Greek, College of Letters.

Yeomans, Pvt., Walter Curtis.

University of Illinois, 1901-03. Art Department, Hawtin Engraving Co., Chicago, Illinois. Avon, Illinois. Assistant in commercial art, College of Fine and Applied Arts.

Young, 1st Lt. Inf., Don J.

University of Nebraska, Ex. 1912. Principal, high school, Auburn, Neb. 1218 6th Ave., Des Moines, Ia. Supply officer. Department of Citizenship.

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B. S. Northwestern College, Ill. 1914. Instructor in Science, Fairmont, Minn. High School. Sleepy Eye, Minn. Instructor in physics, College of Science.

NOTE. — The items for each name in the Staff Directory have been gathered, as for as possible, and set down in the following order: last name, rank, organization, first and middle names; degree, college or university, and date of degree; last or most important position held in civil life; home address; position in the American E. F. University.

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